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ABSTRACT

This paper reports on a project undertaken at Humboldt State College, California, to estimate the coefficients of the so-called "induced course load matrix," perhaps the single most vital component of some models that are being developed to aid administrative planning and decisionmaking in institutions of higher education. Chapter I, the Introduction, discusses some earlier studies in this area. Chapter II discusses the development and logic of the induced course load matrix. Chapter III presents the estimated coefficients, forecasts and variances as evidenced by the project at Humboldt State College. Chapter IV presents the summary, conclusions, and suggestions for further research. The Appendices consist of (1) a description of the College, the data base, and the master file; and (2) a set of the induced course coefficients for 7 quarters of observation. A bibliography concludes the report. (AF)

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The Feasibility of Analytic Models for Academic Planning:

A Preliminary Analysis of Seven Quarters of Observations on the "Induced Course Load Matrix"

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THE FEASIBILITY OF ANALYTIC MODELS FOR ACADEMIC PLANNING:

A Preliminary Analysis of Seven Quarters of Observations on the "Induced Course Load Matrix"

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PREFACE

This paper reports upon a project, undertaken at Humboldt State College, to estimate the coefficients of the so-called "induced course load matrix," perhaps the single most vital component of some models that are being developed to aid administrative planning and decision-making in institutions of higher education. The key word in the title of this paper is "Preliminary." It is a report of work in progress produced with the intent of providing other investigators in this area with the results we have obtained so far and our thoughts about where our further work may carry us.

Frank Jewett was the principal investigator for this study. Direct support for this work was provided by the Office of Institutional Research, Humboldt State College and the Division of Information Systems, California State Colleges. The Offices of Academic Affairs, Administrative Affairs, and Admissions and Records at Humboldt State gave their full cooperation to the effort and provided much encouragement and assistance. Programming for the reports discussed herein was done by Barbara Carter, Robert Sanders, and Allan Weis of the staff of the Division of Information Systems. Joe George and Ann Burroughs of the programming staff at Humboldt State did some of the preliminary programs and provided excellent advice. Many others have contributed in one way or another to this project; we take this opportunity to express our thanks.

"Images of the world can only take the form of mathematical models if the world itself has orderly patterns which mathematical models can describe."

Kenneth E. Boulding
Economics as a Science

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I. INTRODUCTION

A general awareness has existed for the past several years of the need for a more precise and comprehensive reporting and planning mechanism appropriate for institutions of higher education. Two major reasons for this need are the rapid growth of these institutions during the decades of the 1950's and 1960's and the ever-present, and in large part legitimate, pressure for economy and efficiency in operation.[1]

Some of the early responses to this need took the form of attempts to define the data requirements and, therefore, the appropriate data base of these institutions [3]. Another line of investigation involved attempts to describe the interaction of faculty and students and led to the so-called "crossover" studies [9], [11], [13]. The sense of the crossover approach was to classify the student population in the courses taught by each academic department according to their major and class level. Reasoning by analogy with the methods of input-output analysis applied to an economic system, several investigators [6], [7], [13], [15] saw how the crossover table could be converted into a basic component of a larger model capable of forecasting faculty load and facilities need and at the same time serve as an appropriate device for developing the output cost component of a program budgeting system.

More recently the impetus of research in this area has shifted from isolated, and more or less uncoordinated efforts on the part of individuals and specific institutions, to an effort of national scope: a project sponsored by the Western Interstate Commission for Higher Education to develop a management information system and a set of analytical techniques appropriate for planning and budgeting purposes in institutions of higher education [10]. This project has adopted the "induced course load matrix" (Weathersby's term [15] for the converted crossover table) as the basis for its models [4], [12]. Another adaptation of this approach is currently being developed in California under a contract with the Coordinating Council for Higher Education [5].

In spite of the widespread initial acceptance of this approach, the authors are aware of only two studies [1], [15] that make any attempt to evaluate the time stability and forecasting properties of the induced course load matrix (ICLM).[2] This paper is addressed to both of these topics. Part II discusses the logic of the ICLM and some of the conceptual problems involved in using empirical estimates of it. Part III presents an ICLM estimated for seven academic quarters at Humboldt State College and discusses the results of a forecast obtained using an ICLM. Additionally, some of the elementary statistical properties of an ICLM are developed and discussed. Part IV briefly summarizes the results obtained and concludes with suggestions for further research.

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[1] Two ancillary developments during the same period have influenced the form of the response to this need. These developments were the advent of electronic computers capable of rapidly processing large amounts of data and the wide acceptance of the concept of program budgeting wherein agencies (that may or may not be public) attempt to identify the cost of the services (outputs) they provide in addition to the costs of their inputs which have historically formed the basis of their annual budgets.

[2] A word of explanation is appropriate here. Although the ICLM is a major component and unifying concept about which the larger planning model is structured, *it is not the entire model.* It is precisely because of the ICLM's important relation to the entire model, however, that this paper concentrates upon it and it alone.

II. DEVELOPMENT AND LOGIC OF THE INDUCED COURSE LOAD MATRIX

An example will illustrate a crossover table and the derivation of an ICLM from it. Assume a hypothetical campus with three discipline divisions (1, 2, and 3) and four major programs (1, 2, 3, and 4)[3]. All students carry a fifteen unit load, all courses are lecture type and carry a unit value of three; further, in a certain fall quarter there are ten students in major program 1, twenty in program 2, thirty in 3, and ten in 4.

These enrollment figures and the total number of student credit hours taken in *all* discipline divisions by *each* major are shown at the bottom of Table 1. The entries in the body of the table are the number of units taken in *each* discipline division by *each* major. As it stands the table presents some useful information regarding the sources of student demand for courses offered by each discipline division (a row of the table) and the demands placed upon all discipline divisions by students of a given major (a column of the table).

Table 2 presents the information in the body of Table 1 converted to relative terms. Its cell entries are the cell entries of Table 1 divided by the column totals of Table 1. That is, a column of Table 2 shows how students in a given major *distributed* their collective course load over all discipline divisions. Table 2 is an example of an induced course load matrix. It can be used to obtain forecasts of the total instructional load generated in each discipline division (see the "total" column in Table 1) given some new set of student enrollments in each major. For example, assume that in the winter quarter, FTE enrollment per major is expected to be fifteen for major 1, twenty for 2, thirty-five for 3, and five for 4. This information is shown in Table 3 where it is then used in conjunction with the ICLM to compute a new set of values for total student credit hours per discipline division. One method of converting the projected total student credit hours into faculty load and eventually faculty staffing requirements by discipline division is through the application of ratios describing average class size, lab hours per credit hour, and faculty workload by rank (see [4] for a description of the computations).

It should be noted that, as defined, the coefficients of the ICLM are empirical rather than theoretical. That is, they are derived from observations on actual behavior rather than representing the formal requirements for a college degree. If theoretical coefficients exist, they would probably have to be deduced from information contained in the college catalog. Such a procedure would be unsatisfactory for at least three reasons: (1) the catalog ordinarily does not specify all courses, or even types of courses, required for most majors; (2) there would be no way to account for transfer students who have not completed their lower division general education or major requirements; and (3) the time intervals implicit in the degree programs are not particularly appropriate for planning purposes. But attempting to estimate coefficients from observed behavior for an academic period such as a quarter or semester raises some serious problems.

The goal of forecasting in this context is to provide a means of improving the efficiency[4] of administrative planning and decision-making. But estimates of the ICLM based upon past data

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[3] It will be noted that the number of discipline divisions does not equal the number of major programs. This is intentional and was done to emphasize the fact that a discipline division may have none, one, or more majors and that a major may cut across several discipline divisions, "belonging" to none of them (as in the illustration).

[4] An efficient internal decision-making process may be defined as one that assigns resources so that they always yield the greatest returns in terms of the goals of the institution.

TABLE 1

Student Credit Hours by Discipline Division and Major Program – The Crossover Table

	Major 1	2	3	4	
Discipline Division					Total
1	75	60	90	45	270
2	30	120	90	60	300
3	45	120	270	45	480
Student Credit Hours By Major	150	300	450	150	1,050
Students By Major	10	20	30	10	70

TABLE 2

Distribution of Major Units Among Discipline Division – The Induced Course Load Matrix

	Major 1	2	3	4
Discipline Division				
1	.5	.2	.2	.3
2	.2	.4	.2	.4
3	.3	.4	.6	.3
Totals	1.0	1.0	1.0	1.0

TABLE 3

Illustration of the Computation of Total Student Credit Hours Per Discipline Division Using ICLM

	Major 1		2		3		4		Total
Discipline Division									
1	.5(225)	+	.2(300)	+	.2(525)	+	.3(75)	=	300
2	.2(225)	+	.4(300)	+	.2(525)	+	.4(75)	=	300
3	.3(225)	+	.4(300)	+	.6(525)	+	.3(75)	=	525
Student Credit Hours By Major	225		300		525		75		1,125
Students By Major	15		20		35		5		75

embody the results of prior decisions and, therefore, to the extent that these decisions have been poor ones, may describe an inefficient and inappropriate structure upon which to base future decisions.[5] Another closely related difficulty concerns the comparison of the ICLM forecasts with actual student contact hour (SCH) values as a means of validating the ICLM. Only if it is assumed that the planning mechanism has been a relatively good one and, therefore, the actual SCH values describe a desirable situation, is it legitimate to evaluate "forecast errors" as the differences between forecast and actual SCH values. But this is precisely the assumption that obviates the need to expend much effort developing models whose goal is to improve decision-making. This dilemma may be stated in another way: If the administrative decision-making process is efficient, it would be possible to estimate an ICLM from past data that describes an efficient structure of student-academic program-resource interaction but the gain from doing so may not be great. If the administrative decision-making process is relatively inefficient, an ICLM describing an efficient structure would be of great use in improving the decision-making process, but it is doubtful whether such an ICLM can be estimated from historical data.

It does not follow from this discussion, however, that the exercise of estimating an ICLM is entirely futile. If the coefficients of the ICLM turn out to be relatively stable over time, forecasts made with it, in full awareness of their conceptual limitations, may still provide important information to an administrative decision-maker.

This is especially true once it is recognized that there are several different categories of errors or inefficiencies. Some important ones involve facilities, academic programs (major curriculums) and faculty.[6] If the goal is, for instance, a short run forecast of the teaching load by discipline division, generated by a given set of students, in order to guide faculty hiring; it seems appropriate to consider academic program and facilities as *given*. The forecast can then be interpreted as indicating the best allocation of faculty positions given the set of students *and* the academic program and facilities.

Another type of information that could be obtained from the estimation of an ICLM involves not the stability of the coefficients but rather their inherent instability or variability. One might argue that this variability arises as a consequence of the freedom allowed both students and faculty in terms of scheduling and course offerings during any given quarter.[7] If this is the case, each coefficient would be affected each quarter by a large number of small causes. In the absence of important changes in the curriculum or the environment in which scheduling occurs, the coefficients could be expected to follow some statistical distribution whose domain

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[5] David Hopkins of the University of California first brought this point to the attention of the authors.

[6] It is not implied that these categories are independent or that any are not subject to some short term adjustment.

[7] Over a longer period of time choices regarding both courses taken and courses offered are importantly determined by curriculum requirements as stated in the college catalog.

is restricted to the interval between zero and unity,[8] with given means and variances. It has just been argued that empirical coefficients may describe an inappropriate structure from the standpoint of efficient decision-making. In a statistical sense, one would say that the means of the coefficients are inappropriate. But assume, in some way, an appropriate set of coefficients could be discovered. The means of this set of coefficients would differ from the means of the empirical coefficients, but the coefficients would still be subject to variation. In the absence of major curriculum or scheduling environment changes,[9] the variances of these coefficients might be approximated by those of the empirical coefficients. In other words, even if the empirical coefficients are conceptually suspect, their estimated variances may still be useful in evaluating the overall forecasting properties of an ICLM.

III. THE ESTIMATED COEFFICIENTS, FORECASTS, AND VARIANCES: EVIDENCE FROM THE PROJECT AT HUMBOLDT STATE COLLEGE

Humboldt State College, located on the far northwestern coast of California, is one of the oldest and smallest members of the State College system. The campus has grown from an enrollment of less than 2,000 students in the early 1960's to more than 5,000 in 1970.[10] This growth, accompanied by continually mounting pressure from new applicants, led various administrators on campus to pose questions such as: What does the admission of different types of students (by major and level) imply about the mix of resources (faculty and facilities) needed to service them? Given fixed facilities in the short run, what mix of majors should be admitted in order to best use these facilities? In the long run, what types of facilities should be added?

A good deal of interest in how these questions might be *approached* centered in the Office of Institutional Research at Humboldt State. One of the manifestations of its interest was a proposal [6] to develop a model of the campus that could, conceivably, aid in answering questions of this type. An expression of interest in the proposal upon the part of the Division of Information Systems, California State Colleges, (which was, and is, involved with the WICHE-MIS project) led to a decision in the latter part of 1969 to undertake a joint project to estimate the coefficients of an ICLM using the seven quarters of data then available at HSC.

A basic requirement for the project was the creation of a Master File containing the student population, by major and level, for every course taught at HSC for the period Fall, 1967, through Fall, 1969.[11]

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[8] Since the coefficients are proportions, they must be non-negative and less than unity (in fact, there are very few that exceed one-half). It is this condition that makes the otherwise attractive and convenient assumption of normality inappropriate.

[9] No major curriculum changes have occurred at Humboldt State since conversion to the quarter system in Fall 1967. Some large changes are currently being contemplated. In Fall 1969 the campus converted to a computer registration system. Its impact upon the overall scheduling environment does not appear to have been great.

[10] A general description of the college is found in Appendix A.

[11] Efforts are underway to extend the Master File with the two quarters of data (Winter and Spring 1970) that have come into existence since the inception of the project. Additional updates of the file, beginning in the Fall of 1970, will be generated as a by-product of the three week class census undertaken every quarter.

Additional information about courses, including their unit value, their general education status, whether they were lectures or laboratories or some combination of the two, and their enrollment limits, if any, was also included in the file.[12] The Master File was then used to generate the coefficients of the ICLM for each quarter.[13]

The ICLM's estimated were of two types. Type I has forty-three rows representing each of the discipline divisions reported at Humboldt State and fifty-two columns, one for each major program. Type II is the same as Type I except it has three columns for each major program representing lower division, upper division, and graduate students respectively. The discipline divisions and major programs are listed in Table 4. Thus there are 8,944 coefficients per quarter and 62,608 for the seven quarter period.[14,15]

Three approaches will be used to discuss and evaluate this large amount of information. (1) The time series of the estimated Type I coefficients will be examined. (2) Forecasts of total student credit hours per discipline division for Fall, 1969, are made and compared with the actual values for the same period. (3) Finally, estimates of the variances and standard deviations of the forecasts are developed.

The Estimated Coefficients

The values of the Type I coefficients as they were observed over the seven quarter period are displayed in Appendix B. The Type II coefficients are not shown, primarily because they would have required a great deal more space and would have added very little to the discussion.

It is appropriate that these coefficients comprise the bulk of this report since obtaining the data upon which they were based and developing the programs that generated them have accounted for the major share of the effort that has been expended upon the project.

An examination of Appendix B is perhaps the most direct way to obtain an idea of what an actual estimated ICLM is and a sense of the complexity of evaluating the ICLM as a forecasting

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[12] A description of the basic files used and the merges that produced the Master File, a description of the Master File, and a discussion of the accuracy of the data it contains is found in Appendix A.

[13] In addition, the Master File contains information essential to a number of other interesting and, hopefully, vital analyses. Some that readily come to mind include a whole range of alternative aggregations of the ICLM. Another possibility involves a matrix similar to the ICLM except it is based upon hours rather than units. Aggregating such a matrix by course enrollment limits rather than by departments provides a means of converting enrollment forecasts into a distribution of needed classrooms by type and size (see [6], pp. 15-16). The file can also be used to generate the program budgeting matrix discussed in [2], [4], and [16].

[14] $8{,}944 = (43)(52) + (43)(52)(3)$; $62{,}608 = (7)(8{,}944)$

[15] The inclusion of lower division, upper division, and graduate levels of instruction by discipline division would increase the number of coefficients by a factor of approximately 2.5 (since approximately one-half of the discipline divisions offer graduate level instruction).

TABLE 4

List of Discipline Divisions and Major Programs*
Humboldt State College

Discipline Divisions (row labels):

Education
Geography
History
Political Science
Psychology
Sociology
Speech and Hearing
Business Admin.
Economics
Art
English
French
German
Italian
Russian
Spanish
Journalism
Music
Philosophy
Speech
Theater
Fisheries
Forestry
Natural Resources
Oceanography
Range Management
Watershed Management
Wildlife Management
Astronomy
Biology
Botany
Chemistry
Engineering
Geology
Home Economics
Industrial Arts
Mathematics
Nursing
Physics
Physical Science
Zoology
Health Education
Physical Education

Major Programs (column labels):

Undecided
Special Major
Natural Resources
Forestry
Fisheries
Wildlife Management
Oceanography
Watershed Management
Range Management
Home Economics
Industrial Arts
Nursing
Education
Supervision Cred.
Psychology
Physical Education
Engineering, Civil
Engineering Science
Engineering
Social Science
Economics
History
Political Science
Social Welfare
Sociology
Premedical Science
Biology
Botany
Zoology
Physical Science
Chemistry, AB
Chemistry, BS
Geology
Mathematics
Physics, BS
Physics, AB
Business
Business Admin.
Office Admin.
French
German
Spanish
Music
Art
English
Journalism
Speech Correction
Speech
Radio-TV
Theater Arts
Public Address
Journalism, Mass Med.

* The order of both lists is based upon existing coding schemes.

device by means of examining its coefficients. To facilitate this examination the following list of major programs is suggested as representative of the several types of programs:[16]

Forestry, pp. 32-33
Psychology, pp. 52-53
Biology, pp. 76-77
Mathematics, pp. 90-91
Business Administration, pp. 98-99

Curriculum patterns are most clearly seen by examining the columns of the coefficients. For example, the fact that Forestry majors have more diverse requirements than, say, Psychology or Business Administration majors is seen rather clearly by comparing columns of coefficients.

The entries in the rows represent the values taken on by a given coefficient over the seven quarter period. For example, the increase in the coefficient of Biology majors in courses taken in Botany from 10.70% in Winter, 1968 to 15.21% in Spring, 1968 represents almost a fifty percent increase, while the coefficient for Biology majors in courses in Chemistry is almost constant between the Spring and Fall of 1969, changing from 8.18% to 8.17%. The industrious reader upon continued examination of the coefficients for these majors (and the others) will undoubtedly be convinced that while it is possible to discover sets of coefficients exhibiting very little variation, that the great bulk will exhibit unpatterned variations over time. Viewing a set of time series of coefficients raises certain difficulties. In particular, the volume of data that must be examined is large and, since each coefficient comprises but a single part of a large forecasting device, it is difficult to establish criteria for "large" or "unacceptable" variations in any given coefficient.

Forecasts of Student Credit Hours

An alternative to examining and evaluating coefficients from the matrix is to view the ICLM as a means by which observations upon past behavior are used to forecast total student credit hours per discipline division. This approach has at least two advantages: first, it emphasizes what an ICLM does rather than what it is and, second, it requires a precise definition of the ICLM used for forecasting and leads to the realization that for forecasting purposes there is not a single appropriate ICLM but rather a whole range of them. This latter point requires further explanation. In the example in Part I of this paper, an ICLM derived from Fall quarter data was used to obtain a forecast of the Winter quarter. Inferences drawn from a sample of one (the Fall quarter) are, to say the least, bold. If any variability in behavior exists, statistical considerations argue that data from a single quarter are insufficient as the basis for a forecast. If regular patterns exist, they would almost certainly have to be discovered by some other method. For example, coefficients used to forecast, say, the coming Fall quarter might consist of averages of previous Fall quarter coefficients or an average based upon coefficients for all quarters of one or more years past. More generally, one could consider the coefficients of any ICLM used for forecasting as weighted averages of coefficients observed in previous periods. An acceptable weighting scheme would be one which consistently produced forecast errors less than some pre-established level.

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[16] Enrollment in these five programs constituted almost one-fourth of total enrollment in Fall, 1969.

The columns headed "Mean" in Appendix B are the unweighted[17] means of the seven coefficients observed. Since there is no strong logical reason to prefer one weighting scheme over any other and since the seven quarter mean represents all of the data available, it was decided to use an ICLM composed of seven quarter mean coefficients in conjunction with student credit hours by major for Fall, 1969, to forecast total student credit hours per discipline division for Fall, 1969. The forecast shown in Table 5 was made exactly as illustrated in Table 3 of this paper except that there were forty-three discipline divisions and fifty-two student major groups involved.[18]

Although the forecast total SCH is quite close to the actual total SCH value, this result in itself is of little significance since it occurs as a consequence of over and under forecasts of SCH by discipline divisions. Because the substitution of faculty among most discipline divisions is not feasible, it is the forecast differences by discipline division that are of primary interest. A histogram of these differences is plotted in Figure 1. Separately summing the negative and positive differences for all disciplines gives -3,353 and 2,686 respectively. The sum of the absolute values of these two figures is 6,039 or eight and one-half percent of the actual total SCH. That is, the overall forecast allocated eight and one-half percent of the total SCH differently than the allocation observed.

To obtain further insight into the meaning of the forecast differences, it is necessary to convert them to faculty positions by discipline division. This is accomplished in Table 6 where the forecast differences are divided by the actual value of SCH per faculty position. Separately summing the negative and positive differences of faculty positions gives -11.25 and 12.64 respectively. The sum of the absolute values of these two figures is 27.89. Almost nine percent of the three hundred and eleven actual faculty positions in Fall, 1969[19] are allocated differently by the forecast. It could be that the above procedure leads to an overstatement of the difference since *all* fractions of a position are included in the sums. If, instead, only those differences greater in absolute value by one-half a position or more are used,[20] the negative sum becomes -11.92, the positive sum is 10.40. The sum of the absolute values of these two figures is 22.32 faculty positions thus reducing the difference in the allocation to slightly more

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[17] The unweighted mean is, of course, equivalent to a weighted mean with all weights set equal to unity.

[18] An *ex post* forecast of previously observed results such as the one reported here differs in important ways from an *ex ante* forecast of results yet to be observed. The most important difference is that after the fact, student credit hours by major are known exactly whereas in an actual forecasting situation they would have to be estimated. Another difference is that the seven quarter averages of the coefficients include the Fall, 1969 data which are, in effect, the goal of the forecast. In other words, this *ex post* forecast is an "easy" test for the forecasting procedure. While the property of producing "good" *ex post* forecasts is neither a necessary nor sufficient condition for a good *ex ante* forecasting procedure, the inability to produce acceptable *ex post* forecasts may still be considered important evidence concerning the worth of any given procedure.

[19] See Table A-2, Appendix A.

[20] The positive differences greater than or equal to one-half are marked (*) in Table 6. The negative differences less than or equal to negative one-half are marked (**).

TABLE 5

Forecast and Actual Student Credit Hours (SCH) by Discipline Division – Fall, 1969

Discipline Division	SCH Forecast	SCH Actual	Forecast Difference	Percent Difference
Education	3,485.37	3,303.00	182.37	5.52
Geography	919.54	944.00	-24.46	-2.59
History	4,171.37	4,411.00	-239.63	-5.43
Political Science	2,174.25	2,074.00	100.25	4.83
Psychology	4,300.29	5,189.00	-888.71	-17.13
Sociology	4,014.90	4,213.00	-198.10	-4.70
Speech & Hearing	54.23	368.00	-313.77	-85.26
Business Admin.	3,695.51	3,811.00	-115.49	-3.03
Economics	2,234.83	2,061.00	173.83	8.43
Art	2,368.44	2,402.00	-33.56	-1.40
English	5,066.20	4,512.00	554.20	12.28
French	746.06	688.00	58.06	8.44
German	440.44	492.00	-51.56	-10.48
Italian	0	0	0	0
Russian	169.09	206.00	-36.91	-17.92
Spanish	750.12	747.00	3.12	.42
Journalism	442.86	409.00	33.86	8.28
Music	1,854.40	2,031.00	-176.60	-8.70
Philosophy	1,193.62	1,292.00	-98.38	-7.61
Speech	2,034.94	1,855.00	179.94	9.70
Theater	1,562.56	1,494.00	68.56	4.59
Fisheries	754.09	742.00	12.09	1.63
Forestry	2,321.83	2,067.00	254.83	12.33
Natural Resources	2,143,67	2,032.00	111.67	5.50
Oceanography	919.31	963.00	-43.69	-4.54
Range Mgmt.	330.32	437.00	-106.68	-24.41
Watershed Mgmt.	167.82	182.00	-14.18	-7.79
Wildlife Mgmt.	848.15	803.00	45.15	5.62
Astronomy	115.59	188.00	-72.41	-38.52
Biology	2,184.24	2,336.00	-151.76	-6.50
Botany	1,850.17	1,267.00	583.17	46.03
Chemistry	2,017.63	1,842.00	175.63	9.54
Engineering	335.01	554.00	-218.99	-39.53
Geology	867.67	975.00	-107.33	-11.01
Home Economics	761.09	864.00	-102.91	-11.91
Industrial Arts	871.31	832.00	39.31	4.73
Mathematics	3,637.07	3,596.00	41.07	1.14
Nursing	502.72	439.00	63.72	14.51
Physics	1,086.44	1,169.00	-82.56	-7.06
Physical Science	863.35	998.00	-134.65	-13.49
Zoology	2,483.79	2,593.00	-109.21	-4.21
Health Education	941.53	973.00	-31.47	-3.23
Physical Education	2,815.05	2,810.00	5.05	.18
TOTALS	70,496.00	71,164.00	-668.00	-.90

FIGURE 1

DIFFERENCES BY DISCIPLINE DIVISION BETWEEN PREDICTED AND ACTUAL SCH

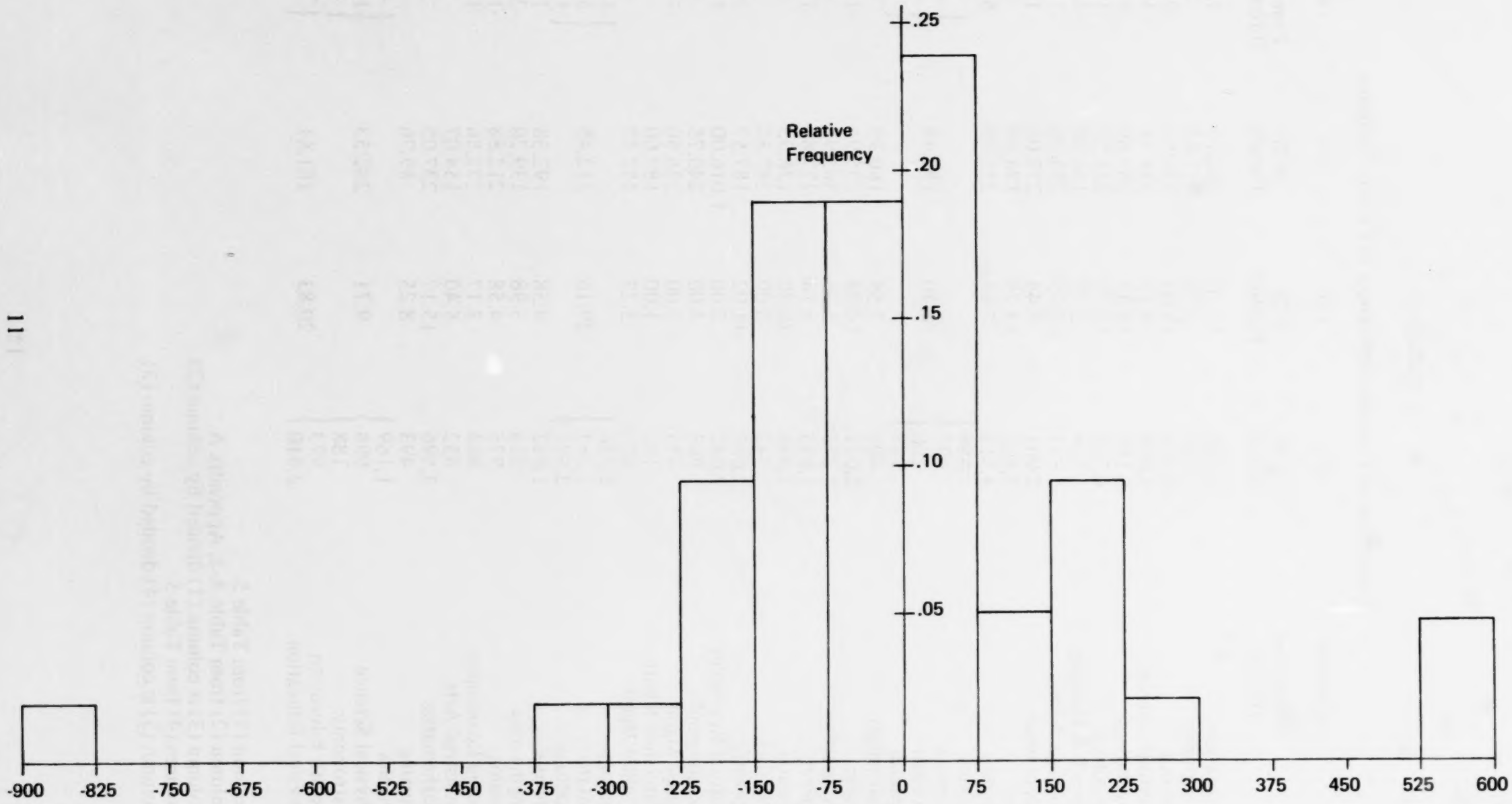

TABLE 6

Conversion of Forecast Differences to Faculty Positions

Column	(1)	(2)	(3)	(4)	(5)
Discipline Division	SCH Actual	FTE Faculty	SCH/ Faculty	Forecast Difference	Differences in Faculty Positions
Education	3,303	13.10	252.14	182	.72*
Geography	949	2.70	351.48	-24	-.07
History	4,411	13.03	338.53	-240	-.71**
Political Science	2,074	6.13	338.34	100	.30
Psychology	5,189	18.33	283.09	-889	-3.14**
Sociology	4,213	12.70	331.73	-198	-.60**
Speech & Hearing	368	2.70	136.30	-313	-2.30**
Business Admin.	3,811	13.95	273.19	-116	-.42
Economics	2,061	7.44	277.02	174	.63*
Art	2,402	13.75	174.69	-34	-.19
English	4,512	17.63	255.93	554	2.16*
French	688	11.50	185.48	58	.31
German	492			-52	-.28
Russian	206			-37	-.20
Spanish	747			3	.02
Journalism	409	2.55	160.39	34	.21
Music	2,031	14.94	135.94	-177	-1.30**
Philosophy	1,292	3.55	363.94	-98	-.27
Speech	1,855	8.14	227.89	180	.79*
Theater	1,494	10.80	138.33	67	.49
Fisheries	742	3.00	247.33	12	.05
Forestry	2,067	11.02	187.57	255	1.36*
Natural Resources	2,032	2.00	1,016.00	122	.11
Oceanography	963	4.00	240.75	-44	-.18
Range Mgmt.	473	2.00	236.50	-107	-.45
Watershed Mgmt.	182	1.00	182.00	-14	-.08
Wildlife Mgmt.	803	5.27	152.37	45	.30
Biology	2,336	29.16	212.48	-152	-.72**
Botany	1,267			583	2.75*
Zoology	2,593			-109	-.51**
Chemistry	1,842	9.58	192.38	176	.92*
Engineering	554	3.98	139.20	-219	-1.58**
Geology	975	4.58	212.88	-107	-.50**
Home Economics	864	3.17	272.56	-103	-.38
Industrial Arts	832	5.40	154.07	39	.25
Mathematics	3,596	15.17	237.05	41	.17
Nursing	493	8.25	59.76	64	1.07*
Physics	1,169	9.71	242.53	-83	-.34
Physical Science	998			-135	-.56**
Astronomy	188			-72	-.30
Health Education	973	20.83	181.61	-31	-.17
Physical Education	2,810			5	.03

Column (1) from Table 5.
Column (2) from Table A-2, Appendix A.
Column (3) is column (1) divided by column (2).
Column (4) from Table 5.
Column (5) is column (4) divided by column (3).

than seven percent. Even this figure may overstate the true differences. An examination of Table 6, column 3, reveals that the ratio of SCH to faculty varies greatly among discipline divisions. This variation is, in part, due to such factors as differences in workload and average class size which in turn are affected by the mix of lower, upper and graduate division courses, the mix of lectures and laboratories and, in part, due to previous errors in the allocation of faculty positions. Yet the differences in faculty positions given in Table 5 implicitly assume that the ratios of SCH to faculty by discipline division are to remain the same. If instead of using the existing *average* SCH to faculty ratios, another set of ratios is used which better characterizes the expected workload of incoming or outgoing faculty members, the differences could well be reduced. For example, if a SCH to faculty ratio of three hundred[21] is applied across the board and differences of less than one-half of a position are ignored, the difference in allocation drops to about four and one-half percent.[22]

Estimated Variances and Standard Deviations of the Forecasts

It was suggested in Part II of this paper that the estimated variances of the coefficients may provide some evidence regarding the variability of the coefficients independent of any particular set of them. If this is assumed, these variances can then be used to estimate the variances of the forecasts independent of any particular forecast.

If the coefficients of the row of the ICLM representing the i^{th} discipline division are treated as a set of independent random variables with known means M_{ij}, and variances, V^2_{ij}, and the values of student credit hours by major are treated as constants, k_j, SCH for the i^{th} discipline division becomes a function of a set of random variables and, therefore, a random variable itself with expected value:

$$(1) \qquad E(SCH_i) = \sum_j M_{ij} k_j$$

and variance:

$$(2) \qquad V(SCH_i) = \sum_j V^2_{ij} k^2_j$$

Of course the population means, M_{ij}, and variances, V^2_{ij}, are not known but they can be estimated by the sample means, m_{ij}, and variances, v^2_{ij}, of the seven quarter sample. Substituting the values of the m_{ij} into equation (1) and carrying out the computations produces the forecast SCH reported in Table 5. Substituting the values of the v^2_{ij} in equation (2) and carrying out the computations gives the estimated variances of the forecast SCH. These estimated variances and their accompanying standard deviations are shown in Table 7.

The techniques of statistical inference are applicable here only if the distributions of the coefficients are stable over time. This assumption is probably only approximately valid over a period of several academic quarters with its validity becoming more and more doubtful as the

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[21] This is equivalent to three, four credit courses, each enrolling twenty-five students.

[22] It is of interest to note in this context how the evaluation of these forecasts leads into an evaluation of indicators of previous decisions such as the SCH to faculty ratio which encapsulates information on class sizes and workloads.

TABLE 7

Estimated Variances and Standard Deviations of Forecast SCH by Discipline Division

Discipline Division	Variance	Standard Deviation	Two Standard Deviations
Education	32,157.09	179.32	358.65
Geography	12,785.24	113.07	226.14
History	88,358.81	297.25	594.50
Political Science	29,501.61	171.76	343.52
Psychology	38,115.35	195.23	390.46
Sociology	50,084.01	223.79	447.59
Speech & Hearing	3,136.02	56.00	112.00
Business Admin.	24,594.15	156.83	313.65
Economics	28,314.27	168.27	336.54
Art	23,672.94	153.86	307.72
English	73,822.91	271.70	543.41
French	6,491.22	80.57	161.14
German	2,008.40	44.82	89.63
Italian	0	0	0
Russian	630.76	25.11	50.23
Spanish	2,609.45	51.08	102.17
Journalism	3,874.14	62.24	124.49
Music	8,560.34	92.52	185.04
Philosophy	10,511.49	102.53	205.05
Speech	21,180.30	145.53	291.07
Theater	8,304.30	91.13	182.26
Fisheries	4,758.16	68.98	137.96
Forestry	56,026.56	236.70	473.40
Natural Resources	40,662.35	201.65	403.30
Oceanography	13,097.16	114.44	228.89
Range Mgmt.	11,687.87	108.11	216.22
Watershed Mgmt.	3,231.74	56.85	113.70
Wildlife Mgmt.	11,751.77	108.41	216.81
Astronomy	1,445.89	38.02	76.05
Biology	45,234.22	212.68	425.37
Botany	47,703.31	218.41	436.82
Chemistry	26,637.07	163.21	326.42
Engineering	3,755.09	61.28	122.56
Geology	6,347.26	79.67	159.34
Home Economics	7,393.95	85.99	171.98
Industrial Arts	9,930.63	99.65	199.31
Mathematics	47,197.42	217.25	434.50
Nursing	2,800.68	52.92	105.84
Physics	10,866.06	104.24	208.48
Physical Science	9,589.82	97.93	195.86
Zoology	55,723.78	236.06	472.12
Health Education	7,922.21	89.01	178.01
Physical Education	9,769.74	98.84	197.68

time interval lengthens. The distributions of the coefficients are not yet known and, therefore, neither are those of the forecast SCH values. It is thus impossible to state the value of confidence coefficients that accompany interval estimates. It is possible, however to establish interval estimates and report the outcomes observed. For example, the interval "forecast SCH plus and minus one standard deviation" contained twenty-four (fifty-seven percent) of the actual SCH values. The interval "forecast SCH plus and minus two standard deviations" contained thirty-six (eighty-four percent) of the actual SCH values.[23,24]

Another criterion relates to the size of the standard deviations relative to the SCH to faculty ratios. If these ratios were greater than, say, two standard deviations, the magnitude of errors reasonably expected in forecast SCH values would not lead to large errors in allocating faculty positions. It was found that twenty-one discipline divisions (fifty percent) have a SCH to faculty ratio greater than two standard deviations, for eighteen (forty-three percent) the ratio is between one and two standard deviations while three discipline divisions (seven percent) have a SCH to faculty ratio less than one standard deviation of the forecast SCH. In other words, a very reasonable expectation of error for half of the discipline divisions is one faculty position.

IV. SUMMARY, CONCLUSIONS, AND SUGGESTIONS FOR FURTHER RESEARCH

Summary and Conclusions

This paper has discussed the concept of and the estimating procedures for the induced course load matrix (ICLM), an analytic tool that has gained a prominent role in some attempts to develop comprehensive models for planning and budgeting in institutions of higher education. The results of estimating an ICLM from seven quarters of data at Humboldt State College were presented and evaluated.

The three bases for this evaluation were: (1) casual inspection of the estimated coefficients shown in Appendix B, (2) an *ex post* forecast of student credit hours (SCH), and (3) the estimates of the variances and standard deviations of the forecasts.

Inspection of the estimated coefficients of the induced course load matrix shows that some exhibit rather large variations over time while others are fairly stable. An inspection of these coefficients leads to some interesting questions regarding curriculum patterns and to speculation as to why they may change, but it does not get to the point of whether or not the ICLM is capable of producing forecasts that can aid an administrative decision-maker.

An *ex post* forecast of student credit hours by discipline division was made using an ICLM whose coefficients were defined as the seven quarter means of the observed coefficients. If

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[23] These results may be checked by comparing the absolute values of the forecast differences of Table 5 with the standard deviations and two times the standard deviations as shown in Table 7.

[24] It is interesting to note that the percentage figures are both exactly eleven percent less than the values that would have been expected if the distributions of the coefficients had been stable and normal.

faculty positions had been allocated upon the basis of this forecast, the allocation would have differed from that actually observed in the sense that between seven and nine percent of the positions would have been allocated differently.

An examination of the estimated standard deviations of the forecasts indicates that variability inherent in the forecasting procedure itself may amount to as much as one faculty position for half of the discipline divisions involved.

In general it is concluded that:

1. The results of the SCH forecasts were better than one would have expected from an inspection of the coefficients alone.

2. A certain ambiguity attaches to the meaning of these forecasts and to the interpretation of the estimated standard errors because of the lack of a clear definition of the limits of acceptable error, i.e., is seven to nine percent error "too large?"

3. While it is clear that it is *possible* to estimate an ICLM and obtain forecasts with it, the ambiguity mentioned above precludes a firm conclusion regarding how *desirable* it would be to implement a planning model based upon an ICLM.

4. Further study and, possibly, implementation of pilot ICLM models at particular institutions is necessary if more explicit conclusions are to be obtained.

Suggestions for Further Research

Before planning models based upon an ICLM can play a very large role in the decision-making process (and therefore warrant a very large share of administrative resources) a good deal more knowledge concerning at least three problem areas must be obtained. These areas are: the accuracy of the forecasts, their statistical characteristics, and the conceptual basis of the model.

A basic question is whether more accurate forecasts than those reported here can be obtained using the ICLM technique. An obvious line of investigation starts with the realization that there is not a single ICLM but rather a whole range of them arising from two distinct types of specification schemes. First, there are many ways to aggregate courses (thus defining the rows of the matrix) and students (thus defining columns of the matrix). Second, if the coefficients are to be defined as weighted averages of past observations,[25] there are many ways to define the weights. Hopefully, some of these specifications will yield better forecasts than those reported here. A frustrating aspect of this suggestion is that the combinations are many and the search may be a long one. Closely related to this problem is that of defining an acceptable margin of forecast error. Also, comparisons of forecasts obtained using the ICLM with those obtained using existing methods would give additional insight into the relative accuracy of the forecasts.

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[25] More generally, the coefficients used for forecasting purposes may be considered functions of their past observations.

Associated with the problem of the accuracy of the forecasts is the question of their statistical distributions as a method of measuring their inherent variability. The statistical distributions of the forecasts depend upon the statistical distributions of the ICLM coefficients. It appears, therefore, that the development and testing of hypotheses about the functional form of these distributions would be a worthwhile endeavor that would neatly compliment additional experimentation with the specification of the ICLM.

The conceptual basis of the empirical model discussed in Part II appears, upon first blush at least, very troublesome. Unless it is possible to incorporate standards and budget formulas that describe the system as it *should be* rather than estimate parameters describing the system *as it is*, it appears unlikely that a working model will ever emerge with much potential for actually improving the efficiency of administrative decision-making in higher education.

In Part II it was argued that for purposes of short run forecasts of faculty load, given the mix of students, it is reasonable to treat existing academic programs and facilities (and any inefficiencies they may entail) as given also. In this case an opportunity to apply standards comes not in the forecasts themselves but in the conversion of the forecast SCH to faculty positions. Positions can be assigned to discipline divisions on the basis of the SCH forecasts *and* an evaluation of the desired movement in such policy indicators as average class size and average workload in each discipline division.

Another possibility involves the incorporation of a budget formula into the process of estimating a variant of the ICLM. This is accomplished by aggregating courses from the Master File on the basis of the course enrollment limits specified in the California State Colleges' staffing formulas instead of by discipline division.[26] Such a procedure completely ignores inefficiencies in room use, e.g., scheduling a course in a room whose capacity is either above or below the course enrollment limit,[27] and provides a means of forecasting space demands that includes *a priori* rules.

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[26] The basic data aggregated is student contact hours or class hours rather than units. It is necessary to use student class hours since the forecast variables are to be a measure of demand for classroom space rather than for teaching services.

[27] It is interesting to speculate how poor building planning in the past, in part due to the lack of analytic models, may be the cause of this type of inefficiency.

APPENDIX A

DESCRIPTION OF THE COLLEGE, THE DATA BASE, AND THE MASTER FILE

The College

The academic community at Humboldt State College consisted of approximately 5,000 students, 300 full-time teaching faculty, plus various and miscellaneous administrators and support staff in the Fall of 1969. Table A-1 shows student enrollment for Fall quarters during the period of the study.

TABLE A-1 . . . STUDENT ENROLLMENT, FALL QUARTERS

Year	1967	1968	1969
Enrollment	3,851	4,566	5,173

The campus has been on the quarter system since Fall, 1967. The instructional program involves some forty-three discipline divisions[28] offering instruction in fifty undergraduate and twenty graduate programs. These discipline divisions were reorganized in 1968 from an administrative grouping of nine divisions to an arrangement of five schools and one division. The schools, the discipline divisions and the major programs are shown in Table A-2.

The Data Base and the Master File

The project was importantly dependent upon the machine readable data base extant at HSC. Some of the data needed were available for a number of years, but it was determined that a major effort would be required to carry all of the necessary files back past Fall, 1967. Since this date was coincident with the conversion to the quarter system, it was chosen as the starting point of the study.

The induced course load matrices reported were generated from a single computer tape called the Master File, which contains the student population, by major and level, of every course taught at HSC for the period of the study. The Master File, in turn, was developed from three special files created for this purpose. The names of the four files, their sizes, and a list of their contents is given in Table A-3.

The Course Enrollment File was derived from the Course-Grade Card File. This file, created as a consequence of registration processing, contains one card record for each student enrolled in each course. (Cards were removed from the file if a student dropped the course within three weeks following registration. After three weeks the drop cards remain in the file with a grade of P or F.) Ultimately, the cards are used by the instructor to assign grades to students. After final processing of grade reports the cards are stored as official college records. Record images in the Course Enrollment File are shortened versions of these course-grade cards. The Student Characteristics File was derived from the Student Card No. 1 File. This file is based upon information reported by students each Fall. The Curriculum Characteristics File contains data from the final Class Schedule Files and from the Curriculum File. The order in which the files were merged is shown in Table A-4.

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[28] One of which, "Italian," was inactive during the period of the study.

TABLE A-2

Schools, Discipline Divisions, and Major Programs – Fall, 1969

Discipline Division	FTE Faculty	Major Programs	Majors
SCHOOL OF BEHAVIORAL AND SOCIAL SCIENCE			
		Social Science	117
Education	13.10	Education	31
Geography	2.70	*	
History	13.03	History	240
Political Science	6.13	Political Science	78
Psychology	18.33	Psychology	245
Sociology	12.70	Sociology	147
		Social Welfare	39
Speech & Hearing	2.70	Speech & Hearing	20
SCHOOL OF BUSINESS AND ECONOMICS			
Business Admin.	13.95	Business Admin.	241
		Business	43
		Office Admin.	14
Economics	7.44	Economics	29
SCHOOL OF CREATIVE ARTS AND HUMANITIES			
Art	13.75	Art	200
English	17.63	English	248
French, German, Russian, Spanish	11.50	French	36
		German	9
		Spanish	47
Journalism	2.55	Journalism	29
		Journalism, Mass Media	5
Music	14.94	Music	80
Philosophy	3.55	**	
Speech	8.14	Speech	24
		Public Address	7
Theater Arts	10.80	Theater Arts	80
		Radio-TV	10

*Major program implemented Fall, 1969.
**Major program to be implemented Fall, 1971.

TABLE A-2 Continued

Discipline Division	FTE Faculty	Major Programs	Majors
SCHOOL OF NATURAL RESOURCES			
Fisheries	3.00	Fisheries	156
Forestry	11.02	Forestry	429
Natural Resources	2.00	Natural Resources	125
Oceanography	4.00	Oceanography	194
Range Management	2.00	Range Management	20
Watershed Management	1.00	Watershed Management	8
Wildlife Management	5.27	Wildlife Management	366
SCHOOL OF SCIENCE			
Biology, Botany, Zoology	29.16	Biology	317
		Botany	12
		Premedical Science	12
		Zoology	74
Chemistry	9.58	Chemistry, A.B.	16
		Chemistry, B.S.	19
Engineering	3.98	Engineering, Civil	49
		Engineering Science	16
		Engineering	19
Geology	4.58	Geology	36
Home Economics	3.17	Home Economics	78
Industrial Arts	5.40	Industrial Arts	78
Mathematics	15.17	Mathematics	85
Nursing	8.25	Nursing	96
Physics, Physical Science, Astronomy	9.71	Physics, A.B.	9
		Physics, B.S.	25
		Physical Science	5
DIVISION OF HEALTH AND PHYSICAL EDUCATION			
Health Education, Physical Education	20.83	Physical Education	204
		Special Majors	9
		Undecided Majors	697
TOTALS	311.06		5,173

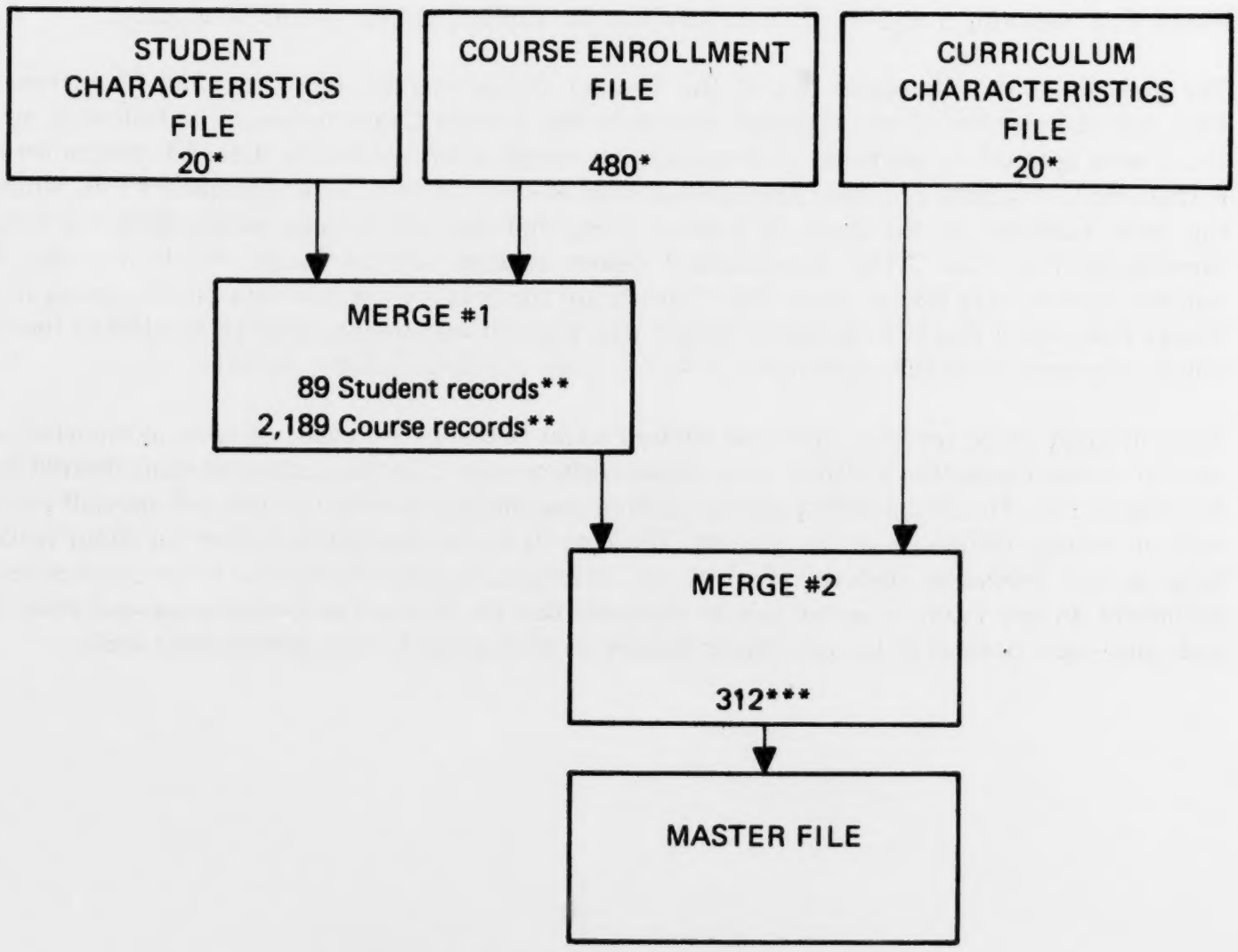
TABLE A-3

Files Created for the Study and a List of Their Contents

File Name:	No. of Records:	Contents:
Student Characteristics	13,597	Student Identification Number Student name Major Credential sought Class level Enrollment status Term units attempted Enrollment type Report period
Course Enrollment	132,928	Student name Course section code Department abbreviation Course number Alpha suffix Variable course units Report period
Curriculum Characteristics	9,675	Course section code Department abbreviation Course number Alpha suffix Laboratory code CSC discipline code General education status Staffing formula (C-S) number Limit (enrollment) Course credit hours (units) Enrollment Report period
Master		Department abbreviation Course number Course level Laboratory code General Education status Staffing formula (C-S) number Limit (enrollment) Number of sections Report period Enrollment by major & level Total units by major & level Total hours by major & level

TABLE A-4

Merges Leading to Creation of the Master File



* The number of records rejected on edit.

** The number of records that failed to match at merge #1.

*** The number of records from merge #1 that failed to match with curriculum records at merge #2.

The quality of the data in the Master File is, of course, of crucial importance since no conclusion about the characteristics of the induced course load matrices generated from this file can be any better than the data that underlies it. All data submitted in the original three files was edited for illegal characters and codes. All student and course data was then double checked as a consequence of the merges performed. That is, a student had to be both admitted to the College (and therefore in the Student Characteristics File) *and* enrolled in at least one course past the three week cut-off point (and therefore in the Course Enrollment File) in order to have his data survive merge No. 1. A course had to have enrollment past the three week cut-off point (and therefore appear in the Course Enrollment File), *and* be listed in both the final Class Schedule and the Curriculum Files (and therefore appear in the Curriculum Characteristics File) in order for its data to be passed onto the Master File following merge No. 2. Data surviving the edit and merges should be accurate.

The number of records edited out of the Student Characteristics and Curriculum Characteristics Files and the number of non-matched records in the Student Characteristics File following merge No. 1 were ignored for purposes of computing an overall error rate for the data. The reason for this is that errors originating in these two files *will lead to errors* in the Course Enrollment File, which is the most inclusive of the three. It follows, then, that the 480 records edited from the Course Enrollment File; the 2,188 non-matched course records lost at merge No. 1; and the 312 non-matched records lost at merge No. 2 constitute the total of original data not appearing in the Master File. Upon this basis it would appear that the edit and merges resulted in a loss of two and one-quarter percent of the original data [(480 + 2,188 + 312)/132,928 = .0224].

An additional check revealed that total student credit hours for the entire campus, as reported each quarter to the Chancellor's Office were consistently greater than the analogous value derived from the Master File. The actual difference varied from one and one-quarter to eight and one-half percent with an average difference of five percent. This error is in the expected direction but about twice as large as that previously deduced. Part of the difference is undoubtedly due to inconsistencies of definition. In any event, it seems safe to conclude that the Master File contains between ninty-five and ninty-eight percent of the enrollment history of the College for the period under study.

APPENDIX B

SEVEN QUARTERS OF OBSERVATIONS ON THE COEFFICIENTS OF THE INDUCED COURSE LOAD MATRIX

This Appendix contains a set of the induced course load coefficients for seven quarters. Each two pages represents the coefficients for a particular major across all discipline divisions for seven quarters. The output for each major is a summary of all levels of that major. Originally, the analysis was also performed for the lower division, upper division, and graduate levels of each major, but space prohibits including all of the results here. The represented output consists of coefficients (expressed as percentages) based on student credit hours; although not included here, the entire analysis has been performed for student contact hours as well.

Some simple statistical measures have been computed for each set of seven coefficients. These measures include the mean, standard deviation, range, and coefficient of variation. In addition the t-statistic has been calculated to test the null hypothesis that the mean of the seven coefficients is zero. It should be noted that although the terminology of "department" has been used in the outputs, substitution of "discipline division" will result in agreement with terminologies used throughout this report.

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0001 UNDECIDED
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	1.36	1.51	1.69	2.40	2.20	3.33	2.26	2.11	.67	1.97	.32	8.29
GEOG	1.86	1.67	2.75	1.94	2.14	1.68	1.09	1.88	.51	1.66	.27	9.82
HIST	12.71	6.10	5.57	9.52	6.91	4.81	5.91	7.30	2.67	7.50	.37	7.22
PSCT	6.56	5.30	4.87	4.51	4.34	3.61	4.49	4.83	.93	2.94	.19	13.67
PSYCH	8.32	8.19	7.74	7.42	6.47	7.20	9.79	7.88	1.05	3.31	.13	19.86
SOC	9.46	10.15	8.74	8.70	8.00	6.14	8.42	8.52	1.26	4.01	.15	17.83
SP H	0	0	0	0	0	0	.43	.06	.16	.43	2.65	1.00
BA	4.64	4.46	6.65	4.15	4.44	5.30	6.37	5.14	1.00	2.50	.19	13.61
ECON	3.34	4.37	6.37	4.44	3.79	4.67	4.81	4.54	.96	3.03	.21	12.58
ART	1.86	2.41	2.25	2.09	3.83	2.63	2.15	2.45	.66	1.98	.27	9.77
ENGL	12.55	14.61	12.11	11.86	11.96	10.03	7.73	11.55	2.15	6.88	.19	14.19
FREN	3.09	1.99	1.56	1.80	1.26	.98	2.05	1.82	.68	2.11	.37	7.07
GERM	1.36	1.16	1.06	.94	.74	.62	1.24	1.02	.27	.74	.26	10.07
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.19	.19	.19	.31	.32	.34	.22	.25	.07	.15	.27	9.85
SPAN	1.76	1.38	1.22	1.63	1.57	1.35	1.46	1.48	.19	.54	.13	21.03
JN	1.11	1.12	1.19	.74	.66	.84	1.01	.95	.21	.53	.22	12.20
MUS	3.22	4.85	4.03	3.52	3.91	3.84	3.53	3.71	.61	1.84	.16	16.16
PHIL	3.09	1.61	3.00	2.80	2.10	3.66	3.40	2.81	.72	2.05	.26	10.28
SPCH	7.37	3.89	4.43	2.60	5.46	4.48	3.69	3.99	.91	2.85	.23	11.57
THEA	1.33	2.02	1.87	1.67	2.06	3.00	1.03	1.98	.51	1.67	.26	10.23
FISH	.09	0	.19	.39	.44	.32	.29	.24	.16	.44	.65	4.08
FOR	.37	.35	.59	.37	.38	.45	.63	.45	.11	.27	.25	10.46
NR	.99	1.16	1.84	1.37	1.87	2.10	1.51	1.55	.41	1.11	.26	10.05
OCN	1.39	.89	1.09	1.06	1.13	.55	.22	.89	.40	1.17	.45	5.94

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0001 UNDECIDED
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	.29	.19	.05	.12	.17	.06	.13	.10	.29	.78	3.41
WM	0	0	.25	.04	0	0	0	.04	.09	.25	2.26	1.17
WLDM	0	.10	0	.43	.22	.34	.48	.22	.20	.48	.89	2.97
ASTR	.12	0	0	.61	0	.56	.51	.26	.29	.61	1.12	2.37
BIOL	2.94	3.95	1.84	2.76	3.41	3.43	3.71	3.15	.71	2.11	.22	11.76
BOT	.15	.51	1.09	.83	1.10	1.43	.50	.80	.44	1.27	.55	4.82
CHEM	.59	.13	.47	1.83	1.53	1.72	1.83	1.16	.73	1.70	.63	4.18
ENGR	0	0	0	.33	.26	.17	.22	.14	.14	.33	1.00	2.65
GEOL	.25	1.03	1.25	.61	1.02	1.11	1.33	.94	.38	1.08	.41	6.52
H EC	.37	1.32	1.16	.66	.82	1.25	1.33	.99	.37	.96	.38	7.01
IA	.19	.19	.31	.41	.51	1.26	.51	.48	.37	1.08	.76	3.47
MATH	3.49	3.79	3.47	5.83	6.10	4.97	5.38	4.72	1.12	2.64	.24	11.10
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	.22	.10	.12	.71	.80	1.37	.90	.60	.48	1.28	.79	3.34
SOC	2.78	2.73	.66	2.48	1.46	1.00	2.37	2.07	.77	2.13	.37	7.07
ZOOL	.31	.16	1.37	.89	1.21	1.75	1.11	.97	.57	1.59	.59	4.51
H ED	1.58	2.79	2.28	1.91	2.57	2.37	1.86	2.19	.43	1.22	.20	13.51
PE	3.40	3.53	4.59	3.47	3.78	4.19	3.24	3.74	.48	1.35	.13	20.48

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0009 SPECIAL MAJORS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.24	.25	.26	10.42	7.63	3.67	0	3.21	4.25	10.42	1.32	2.00
GEOG	.97	0	0	3.33	1.53	9.17	0	2.14	3.33	9.17	1.55	1.71
HIST	6.80	2.74	2.60	10.00	14.12	9.63	16.00	8.84	5.19	13.40	.59	4.51
POLT	6.80	5.99	5.19	6.67	6.11	5.50	0	5.18	2.35	6.80	.45	5.82
PSYCH	3.64	8.23	6.40	6.67	6.11	0	3.20	4.91	2.79	8.23	.57	4.65
SOC	3.88	4.49	7.27	15.00	8.40	22.02	6.40	9.64	6.57	18.13	.68	3.88
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.70	2.99	6.23	6.25	5.73	8.26	2.40	4.79	2.44	6.56	.51	5.21
ECON	2.91	4.49	5.19	.83	7.25	4.13	0	3.54	2.52	7.25	.71	3.73
ART	2.18	2.49	.78	4.17	5.34	5.50	2.40	3.27	1.77	4.73	.54	4.88
ENGL	4.13	10.97	7.53	.83	6.87	2.29	6.40	5.58	3.43	10.14	.62	4.30
FREN	1.94	0	2.08	0	0	0	2.40	.92	1.15	2.40	1.26	2.11
GERM	3.88	4.74	4.16	0	1.53	1.83	6.40	3.22	2.19	6.40	.68	3.88
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.97	1.00	0	0	0	0	0	.28	.48	1.00	1.71	1.55
SPAN	.97	0	0	0	0	0	0	.14	.37	.97	2.65	1.00
JN	.97	0	1.04	6.25	7.25	1.38	0	2.41	3.02	7.25	1.25	2.11
MUS	1.94	1.50	1.04	1.25	.76	3.67	6.40	2.37	2.02	5.64	.85	3.10
PHIL	1.94	1.50	3.12	3.33	4.58	1.83	12.80	4.16	3.96	11.30	.95	2.78
SPCH	3.16	3.49	2.34	0	2.29	0	0	1.61	1.57	3.49	.97	2.72
THEA	1.46	1.00	3.90	2.92	2.29	6.42	7.20	3.60	2.40	6.20	.67	3.97
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	2.09	2.29	0	0	.62	1.07	2.29	1.71	1.55
NR	0	1.00	.78	1.25	2.67	3.21	0	1.27	1.24	3.21	.98	2.71
OCN	0	1.00	0	1.25	0	2.29	0	.65	.90	2.29	1.39	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0009 SPECIAL MAJORS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	1.04	0	0	0	0	.15	.39	1.04	2.65	1.00
ASTR	0	0	0	1.67	0	0	0	.24	.63	1.67	2.65	1.00
BIOL	5.83	4.99	2.34	1.67	0	0	0	2.12	2.44	5.83	1.15	2.30
BOT	0	4.99	0	0	0	0	0	.71	1.89	4.99	2.65	1.00
CHEM	16.50	7.48	8.31	0	0	0	3.20	5.07	6.16	16.50	1.21	2.18
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	1.04	0	0	0	0	.15	.39	1.04	2.65	1.00
H EC	0	0	.78	.83	1.15	0	0	.39	.50	1.15	1.28	2.07
IA	2.43	2.00	.52	0	0	0	0	.71	1.05	2.43	1.49	1.77
MATH	13.35	8.23	7.27	1.25	0	0	7.20	5.33	5.06	13.35	.95	2.79
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	.97	1.00	2.08	1.25	0	0	2.40	1.10	.92	2.40	.84	3.15
SCI	0	0	.78	.83	1.53	4.59	1.60	1.33	1.57	4.59	1.18	2.24
ZOOL	7.28	6.73	9.61	2.08	0	0	0	3.67	4.10	9.61	1.12	2.37
H EC	1.70	1.50	1.04	1.25	0	0	8.00	1.93	2.76	8.00	1.43	1.84
PE	1.46	5.24	5.19	6.67	4.58	4.59	5.60	4.76	1.62	5.21	.34	7.78

HUMPCLOT INPLT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0010 NATURAL RESOURCES
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.62	.49	.25	0	.82	0	.45	.38	.31	.82	.82	3.22
GEOG	9.06	4.27	2.01	11.35	5.18	2.35	8.77	6.14	3.62	9.34	.59	4.49
HIST	3.67	1.07	2.26	1.42	2.32	.81	1.35	1.84	.99	2.86	.53	4.05
PSCI	2.19	1.71	2.68	.74	.27	1.18	1.12	1.36	.82	2.40	.61	4.36
PSYCH	2.26	3.04	.67	4.75	4.02	2.58	5.06	3.33	1.75	5.29	.52	5.04
SOC	2.81	3.45	5.52	2.84	5.45	2.65	6.30	4.15	1.55	3.65	.37	7.07
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	.79	1.40	1.09	2.41	2.32	1.84	1.24	1.57	.63	1.63	.40	6.54
ECON	2.19	2.30	6.02	1.97	4.90	1.18	2.02	2.94	1.79	4.84	.61	4.35
ART	.94	1.23	.75	2.41	3.27	4.19	2.36	2.16	1.29	3.44	.59	4.48
ENGL	1.56	3.12	3.74	4.01	2.59	1.10	2.64	2.62	1.01	2.91	.39	6.87
FREN	0	.33	0	0	0	0	0	.05	.12	.33	2.65	1.00
GERM	.31	.33	.33	.25	0	0	.22	.21	.15	.33	.71	3.72
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	.22	.03	.09	.22	2.65	1.00
SPAN	0	0	0	.25	0	0	.22	.07	.12	.25	1.71	1.55
JN	0	0	.25	.31	.68	1.47	.62	.48	.51	1.47	1.08	2.45
MUS	1.56	1.31	1.09	.25	1.02	1.32	1.69	1.18	.47	1.44	.40	6.58
PHIL	1.25	1.97	1.34	1.97	1.91	1.47	1.35	1.61	.33	.73	.20	13.00
SPCH	1.87	1.97	1.92	1.48	1.91	1.47	1.69	1.76	.21	.50	.12	21.84
THEA	1.56	.49	.25	.49	.48	.81	.84	.70	.43	1.31	.61	4.33
FTSH	3.20	2.55	1.59	.74	.61	1.32	.56	1.51	1.02	2.64	.68	3.91
FOR	4.61	7.40	6.27	5.06	4.29	4.56	4.84	5.29	1.13	3.10	.21	12.39
NR	27.24	22.76	21.82	23.32	23.09	22.44	18.90	22.80	2.46	8.35	.11	24.48
OCN	.78	.41	.84	1.11	.68	1.69	0	.79	.53	1.69	.68	3.91

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0910 NATURAL RESOURCES
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	3.29	4.35	1.97	.82	.37	1.01	1.69	1.61	4.35	.95	2.77
WM	0	3.62	1.59	1.36	1.09	.74	.62	1.29	1.15	3.62	.90	2.95
WLDF	1.64	3.04	.67	1.60	2.52	3.02	.39	1.84	1.07	2.65	.58	4.56
ASTR	0	0	0	0	0	.88	0	.13	.33	.88	2.65	1.00
BIOL	6.25	4.60	3.26	4.19	4.56	1.99	4.27	4.16	1.31	4.26	.31	8.42
BOT	4.29	3.62	9.95	2.78	2.04	12.36	3.82	5.55	3.96	10.32	.71	3.71
CHEM	4.22	3.70	4.18	3.95	5.11	4.78	6.69	4.66	1.02	3.00	.22	12.12
ENGR	0	0	0	0	0	0	.17	.02	.06	.17	2.65	1.00
GEOL	2.81	7.56	3.01	5.18	6.47	2.35	3.15	4.36	2.04	5.20	.47	5.65
H EC	0	0	0	0	0	0	.17	.02	.06	.17	2.65	1.00
IA	0	.25	.17	.37	.20	.07	0	.15	.14	.37	.90	2.94
MATH	2.97	1.89	.75	2.04	1.84	1.69	1.52	1.91	.66	2.21	.36	7.27
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	.47	.74	1.17	.37	.61	.66	.22	.61	.31	.95	.50	5.26
SOC	0	.25	.25	.37	.27	.44	.90	.35	.28	.90	.78	3.39
ZOOL	6.32	2.96	6.86	6.11	4.97	13.83	9.79	7.26	3.55	10.88	.49	5.41
H EC	.78	.74	.67	1.49	1.36	.22	1.35	.94	.46	1.26	.49	5.37
PE	1.80	2.55	2.93	1.11	2.32	2.13	2.53	2.19	.60	1.82	.27	9.75

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0012 FORESTRY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 19	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.04	.09	.33	.13	.22	.43	.38	.23	.15	.39	.65	4.05
GEOG	.42	.95	1.04	.66	1.90	1.16	1.31	1.06	.48	1.48	.45	5.90
HIST	2.21	1.89	1.41	2.90	2.02	.74	2.82	2.00	.76	2.15	.38	6.97
PSCI	1.35	1.32	1.79	1.97	1.90	1.49	2.62	1.78	.46	1.30	.26	10.33
PSYCH	1.75	1.82	1.63	2.41	2.17	2.31	3.95	2.29	.79	2.33	.34	7.67
SOC	1.90	1.14	2.97	2.99	3.91	2.97	2.10	2.57	.92	2.78	.36	7.42
SP H	0	0	0	0	0	0	.02	.00	.01	.02	2.65	1.00
BA	1.24	3.34	4.08	2.41	2.59	3.78	4.15	3.08	1.06	2.91	.34	7.68
ECON	2.44	2.93	2.83	3.35	2.37	1.92	3.15	2.71	.50	1.43	.18	14.46
ART	1.07	.97	.78	1.09	1.28	2.15	1.23	1.23	.44	1.37	.36	7.37
ENGL	4.15	4.00	2.50	4.65	4.21	3.06	4.12	3.81	.75	2.15	.20	13.40
FREN	.08	0	0	.07	.08	.08	.13	.06	.05	.13	.75	3.55
GERM	.42	.38	.31	0	0	0	.07	.17	.19	.42	1.15	2.30
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	.08	.08	.18	.05	.07	.18	1.42	1.86
SPAN	.08	.28	.21	.22	.08	.08	0	.14	.10	.28	.74	3.58
JN	.32	.07	.38	.20	.10	.31	.25	.23	.11	.31	.50	5.33
MUS	1.22	.95	1.27	1.48	1.42	1.18	1.51	1.29	.20	.56	.15	17.19
PHIL	.67	.95	.47	1.68	.63	.91	1.31	.95	.42	1.21	.45	5.93
SPCH	2.30	1.77	2.19	1.82	2.57	1.59	2.41	2.09	.37	.98	.18	15.11
THEA	.82	1.06	.82	.73	1.11	1.20	.62	.91	.21	.57	.24	11.23
FISH	.06	.35	.07	.05	.18	.50	.51	.25	.20	.45	.83	3.20
FOR	40.37	36.12	37.63	33.90	20.66	32.69	30.63	34.43	3.85	10.70	.11	23.68
NR	5.62	6.08	7.73	6.69	10.26	9.60	6.17	7.45	1.83	4.63	.25	10.79
CCA	.32	.35	.12	.67	.49	.58	.07	.37	.23	.61	.61	4.32

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0012 FORESTRY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	.14	1.27	.27	0	1.32	1.20	.60	.63	1.32	1.04	2.53
BM	0	1.56	.78	.66	2.02	.74	1.18	.99	.66	2.02	.67	3.07
BLDM	.25	.31	.02	.27	1.28	.81	.59	.63	.39	1.03	.62	4.28
ASTR	.25	0	0	.22	0	.08	.20	.11	.11	.25	1.05	2.51
BIOL	3.79	3.22	2.07	3.52	1.17	1.01	2.76	2.50	1.11	2.78	.45	5.94
BOT	6.13	7.76	4.85	3.99	5.91	6.24	2.05	5.28	1.85	5.71	.35	7.56
CHEM	4.95	2.96	2.10	2.66	2.77	2.87	3.44	3.12	.99	2.76	.28	9.29
ENGR	.13	.05	0	.07	.10	.25	.02	.09	.09	.25	.96	2.76
GEOL	.42	.76	1.30	.80	1.17	1.07	1.44	.99	.35	1.02	.36	7.44
H ED	0	0	0	.05	.06	0	0	.02	.03	.06	1.71	1.55
IA	.27	.85	.73	.31	.61	1.59	.52	.70	.45	1.32	.64	4.16
MATH	6.52	6.74	6.62	10.21	7.06	6.67	8.20	7.99	1.44	3.69	.18	14.66
NURS	0	0	0	.27	.28	.25	0	.11	.14	.28	1.25	2.12
PHYX	1.14	2.03	1.72	2.46	2.51	2.31	2.46	2.09	.51	1.37	.24	10.89
SOI	.23	.38	.10	.22	.28	.17	.46	.27	.11	.29	.39	6.75
ZOOL	1.92	3.07	3.06	1.55	2.35	3.24	2.87	2.71	.83	2.43	.31	8.63
H ED	.91	1.06	1.11	1.06	.79	.66	1.13	.96	.18	.47	.19	14.16
PE	1.24	1.37	2.64	1.33	1.52	1.90	1.77	1.68	.48	1.40	.29	9.18

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0013 FISHERIES
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.05	.11	1.15	.05	.84	1.82	.44	.64	.67	1.78	1.06	2.50
GEOG	.37	.85	.69	.97	1.26	.91	.98	.86	.28	.89	.32	8.26
HIST	3.71	1.28	0	1.74	1.62	.85	2.16	1.62	1.15	3.71	.71	3.72
PSCI	1.85	1.60	3.21	1.94	.42	1.82	2.06	1.84	.82	2.79	.44	5.96
PSYCH	1.30	1.44	2.58	1.50	2.51	1.20	2.35	1.84	.61	1.38	.33	7.95
SOC	.93	3.09	3.44	2.62	2.41	2.39	3.38	2.61	.86	2.51	.33	8.03
SP H	0	0	0	0	0	0	.05	.01	.02	.05	2.65	1.00
BA	.51	1.38	1.89	1.84	1.41	2.51	1.96	1.64	.63	2.00	.38	6.95
ECON	.74	1.91	6.65	1.94	1.68	6.61	2.35	3.13	2.44	5.91	.78	3.39
ART	1.07	.48	.69	1.02	1.57	.91	.74	.92	.35	1.09	.38	6.97
ENGL	5.24	3.40	1.78	3.00	2.25	1.94	3.68	3.04	1.21	3.46	.40	6.64
FREN	0	0	0	.39	.42	.46	.20	.21	.21	.46	1.01	2.61
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	.19	.21	0	.15	.08	.10	.21	1.27	2.08
SPAN	0	0	.23	.39	.16	0	0	.11	.15	.39	1.39	1.90
JN	.19	.11	0	0	.10	.23	.10	.10	.09	.23	.83	3.20
MUS	.74	1.06	1.32	1.65	1.26	1.77	1.96	1.34	.39	1.22	.29	9.01
PHIL	1.48	1.49	.92	1.94	.63	2.05	1.37	1.41	.51	1.42	.36	7.33
SPCH	.97	1.06	2.46	3.10	2.51	2.05	.93	1.87	.89	2.17	.47	5.62
THEA	.79	1.12	.52	.48	.79	.91	.78	.77	.22	.63	.28	9.30
FISH	24.47	22.87	22.01	24.32	24.57	18.22	23.30	22.82	2.24	6.34	.10	26.98
FOR	.09	.11	.34	0	0	.57	.20	.20	.21	.57	1.05	2.52
NR	6.07	7.45	5.62	8.43	6.97	7.52	6.62	6.95	.95	2.81	.14	19.35
OCN	7.60	5.85	7.91	8.28	5.40	3.82	2.11	5.85	2.29	6.18	.39	6.75

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0013 FISHERIES
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	.17	.15	.05	.08	.17	1.71	1.54
WM	0	.96	.46	1.50	.37	1.77	.93	.85	.63	1.77	.74	3.58
WLDM	.97	2.07	1.95	.44	.84	.91	.83	1.15	.62	1.64	.54	4.91
ASTR	0	0	0	.19	0	.23	0	.06	.10	.23	1.72	1.54
PTCL	4.91	5.59	3.15	4.51	1.20	4.04	4.51	3.99	1.44	4.38	.36	7.34
BOT	6.58	3.72	4.93	2.86	3.04	6.78	4.46	4.62	1.58	3.92	.34	7.73
CHEM	8.43	7.07	5.62	3.83	5.97	6.66	4.36	5.99	1.58	4.61	.26	10.01
ENGR	0	0	.34	0	0	0	.05	.06	.13	.34	2.28	1.16
GEOL	0	.85	1.15	.78	.42	.68	.98	.69	.38	1.15	.55	4.81
H EC	0	.16	0	0	.16	0	.10	.06	.08	.16	1.29	2.05
IA	.14	.59	.46	.05	.21	.23	.29	.28	.19	.54	.66	4.00
MATH	9.68	9.26	4.93	7.61	10.90	7.12	6.72	8.03	2.03	5.97	.25	10.45
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYY	.83	1.49	.69	2.03	3.14	1.88	2.65	1.82	.90	2.46	.49	5.35
SCI	.05	0	.52	.48	.10	.91	.10	.31	.34	.91	1.10	2.41
ZOOL	8.85	9.41	9.91	8.28	12.52	8.49	13.54	10.14	2.07	5.25	.20	12.99
H ED	.28	1.28	.74	.78	1.05	.23	1.08	.78	.40	1.05	.52	5.12
PE	1.11	.90	1.78	.87	1.10	1.77	1.28	1.26	.38	.90	.30	8.86

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0014 WILDLIFE MANAGEMENT
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.03	.26	.45	.42	.84	.89	.94	.55	.35	.91	.64	4.13
GEOG	.76	1.64	.47	1.67	.87	1.61	1.19	1.17	.48	1.19	.41	6.41
HIST	4.04	1.55	.56	2.53	1.44	1.59	3.02	2.10	1.17	3.47	.55	4.77
PSCI	.98	1.87	2.37	1.57	.76	1.61	1.75	1.56	.55	1.62	.35	7.57
PSYCH	2.49	3.48	2.79	2.80	1.36	1.26	2.05	2.32	.81	2.22	.35	7.56
SOC	1.19	2.98	2.52	2.94	2.82	2.15	2.27	2.41	.63	1.79	.26	10.17
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	.22	1.02	1.54	.79	.89	1.26	.88	.94	.41	1.33	.44	6.03
ECON	.76	1.52	2.61	2.26	1.95	1.29	1.59	1.71	.62	1.85	.36	7.31
ART	1.03	1.14	.98	.59	2.11	1.56	1.01	1.20	.49	1.53	.41	6.47
ENGL	5.12	4.24	4.24	4.32	4.55	3.31	4.20	4.28	.54	1.81	.13	21.06
FREN	.08	.32	.21	.29	.22	.11	.08	.19	.10	.24	.53	4.95
GERM	.11	0	0	0	0	0	.08	.03	.05	.11	1.74	1.52
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.11	.12	0	0	0	0	.08	.04	.06	.12	1.27	2.08
SPAN	.43	.23	.24	.27	.46	.62	.24	.36	.15	.38	.42	6.26
JN	.16	.20	.18	.12	.11	.59	.26	.27	.17	.48	.72	3.70
MUS	.84	1.35	1.25	1.28	1.54	.83	1.53	1.23	.29	.71	.24	11.12
PHIL	2.17	1.35	1.07	2.36	1.52	1.08	1.67	1.60	.50	1.29	.32	8.39
SPCH	2.85	1.38	2.58	1.91	2.14	1.24	1.83	1.99	.59	1.61	.30	8.94
THEA	.49	1.02	.71	1.20	.84	.56	.70	.79	.25	.71	.32	8.26
FISH	2.98	4.04	2.46	3.24	3.25	2.10	1.79	2.84	.77	2.25	.27	9.72
FOR	1.25	1.26	1.54	.59	1.08	1.05	.74	1.07	.33	.95	.30	8.73
NP	18.56	11.41	10.57	14.21	10.95	10.89	14.31	12.98	2.92	8.00	.22	11.76
OCN	1.08	1.58	1.34	2.33	1.82	1.40	0	1.36	.72	2.33	.53	5.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0014 WILDLIFE MANAGEMENT
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	3.63	4.54	3.19	2.44	4.98	4.91	3.38	1.76	4.98	.52	5.08
WM	0	1.32	.24	.79	.51	.16	.14	.45	.46	1.32	1.03	2.57
WLDM	9.84	13.66	13.54	13.86	16.29	12.10	12.67	13.14	1.96	6.45	.15	17.73
ASTR	.22	0	0	.20	0	.22	.32	.14	.13	.32	.98	2.70
BIOL	8.62	8.92	3.98	6.67	5.80	2.88	5.99	6.12	2.22	6.05	.36	7.29
BOT	8.81	5.76	10.27	6.16	7.83	12.64	6.84	8.33	2.46	6.88	.30	8.96
CHEM	4.53	4.24	4.51	3.66	3.50	4.25	4.44	4.16	.42	1.03	.10	26.38
ENGR	0	0	0	0	0	0	.04	.01	.02	.04	2.65	1.00
GEOL	1.19	.59	1.42	1.86	1.73	1.40	1.03	1.32	.43	1.28	.33	8.07
H EC	0	0	0	.20	.16	0	.16	.07	.09	.20	1.26	2.10
IA	.16	.15	.30	.10	.43	1.34	.18	.38	.44	1.25	1.16	2.29
MATH	5.01	3.19	1.96	3.43	2.90	.54	3.08	2.87	1.37	4.48	.48	5.53
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	1.60	2.98	1.48	2.06	3.04	2.37	3.22	2.39	.71	1.74	.30	8.93
SCI	.03	.03	.42	.34	.38	.32	.28	.26	.16	.39	.63	4.20
ZOOL	9.65	8.78	13.51	7.38	9.84	16.89	11.94	11.14	3.24	9.51	.29	9.10
H EC	1.19	1.08	1.10	.93	1.17	.59	1.11	1.03	.21	.60	.20	13.01
PE	1.44	1.70	2.05	1.50	2.47	2.31	1.43	1.84	.43	1.03	.24	11.24

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0015 OCEANOGRAPHY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.05	0	0	.28	.30	.75	.11	.21	.27	.75	1.25	2.12
GEOG	.62	.65	.45	.74	.60	.64	.60	.62	.09	.29	.14	18.72
HIST	4.60	2.88	3.11	4.46	2.62	1.98	4.33	3.42	1.03	2.62	.30	8.77
PSCT	1.65	5.01	2.71	2.41	3.22	1.28	2.24	2.65	1.22	3.72	.46	5.73
PSYCH	1.50	4.62	5.08	3.34	2.52	3.47	4.37	3.56	1.26	3.59	.35	7.48
SOC	2.07	3.59	4.75	1.21	3.12	4.06	3.66	3.21	1.21	3.54	.38	7.02
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.08	.71	.40	.42	.81	1.23	1.72	.91	.47	1.32	.52	5.08
ECON	1.45	3.48	3.39	2.04	1.81	3.63	1.34	2.45	1.01	2.29	.41	6.40
ART	1.08	1.14	1.19	.14	.60	1.12	1.34	.95	.42	1.21	.45	5.92
ENGL	4.49	4.30	3.62	6.17	7.65	3.79	6.35	5.20	1.53	4.04	.29	8.97
FREN	1.45	1.31	1.36	2.41	1.61	1.07	1.05	1.46	.46	1.37	.32	8.34
GERM	1.45	1.31	1.19	2.41	1.81	1.76	1.05	1.57	.47	1.37	.30	8.86
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	1.60	1.09	.68	1.44	1.61	1.28	.71	1.20	.39	.93	.33	8.12
SPAN	.21	0	.23	0	0	.21	.45	.16	.17	.45	1.07	2.46
JN	0	0	0	.14	.10	0	.19	.06	.08	.19	1.31	2.02
MUS	1.14	1.31	.68	.88	1.11	1.66	1.38	1.16	.32	.98	.28	9.51
PHIL	1.86	1.41	1.13	2.41	1.41	2.35	1.34	1.70	.51	1.28	.30	8.80
SPCH	2.94	.87	3.62	2.79	2.72	1.28	4.41	2.66	1.24	3.54	.46	5.69
THEA	1.50	.71	.85	1.07	1.56	1.92	1.57	1.31	.44	1.22	.34	7.83
FISH	1.50	.16	.51	.70	.15	.64	.82	.64	.46	1.35	.71	3.70
FOR	0	0	0	0	0	0	.11	.02	.04	.11	2.65	1.00
NP	.83	1.69	1.58	.74	.60	2.14	1.46	1.29	.57	1.53	.44	5.96
OCN	13.07	13.44	10.85	11.98	11.88	8.17	6.46	10.84	2.59	6.98	.24	11.05

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0015 OCEANOGRAPHY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
BM	0	0	0	0	0	0	0	0	0	0	0	0
BLDM	.21	0	0	0	.15	.16	.19	.10	.10	.21	.95	2.78
ASTR	.21	0	0	.93	0	.64	.45	.32	.37	.93	1.16	2.29
BIOL	3.05	4.84	2.71	4.22	1.81	2.14	3.06	3.12	1.08	3.03	.35	7.62
BOT	2.79	1.90	4.24	.93	3.52	1.55	1.98	2.42	1.16	3.31	.48	5.50
CHEM	8.68	8.00	8.59	5.94	8.01	8.76	5.75	7.67	1.29	3.01	.17	15.79
ENGR	0	0	.23	.19	.35	.69	1.05	.36	.39	1.05	1.08	2.46
GEOL	6.20	5.17	5.59	5.76	4.38	3.05	7.17	5.46	1.09	3.22	.20	13.28
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	.15	.76	.56	.37	.76	.85	.37	.55	.26	.70	.47	5.62
MATH	23.76	18.01	16.84	22.61	18.63	16.45	20.40	19.53	2.93	7.31	.14	18.27
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	3.98	3.81	6.67	6.55	7.60	9.46	5.98	6.29	1.98	5.65	.31	8.40
SOC	0	.05	.23	.65	.70	1.39	.07	.44	.51	1.39	1.14	2.31
ZOOL	1.86	4.52	3.62	1.16	2.87	6.46	2.01	3.34	1.76	5.30	.53	5.03
H ED	1.29	1.63	1.13	.84	1.71	1.39	1.20	1.31	.30	.88	.23	11.55
PE	1.70	1.63	2.26	1.67	1.66	1.66	2.35	1.85	.31	.72	.17	15.53

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0016 WATERSHED MANAGEMEN
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	0	0	0	0	0	0	0	0	0
GEOG	0	0	0	0	0	0	0	0	0	0	0	0
HIST	0	0	0	0	0	0	0	0	0	0	0	0
PSCI	0	0	0	0	0	0	0	0	0	0	0	0
PSYCH	0	0	0	0	0	0	0	0	0	0	0	0
SOC	0	0	0	0	0	0	0	0	0	0	0	0
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	0	0	0	0	0	0	0	0	0	0	0	0
ECON	0	0	0	0	0	0	0	0	0	0	0	0
ART	0	0	0	0	0	0	0	0	0	0	0	0
ENGL	0	0	0	0	0	0	0	0	0	0	0	0
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	0	0	0	0	1.19	1.27	.35	.60	1.27	1.71	1.55
PHTL	0	0	0	0	0	0	0	0	0	0	0	0
SPCH	0	0	0	0	0	0	0	0	0	0	0	0
THEA	0	0	0	0	0	0	0	0	0	0	0	0
FISH	0	0	0	0	0	0	3.80	.54	1.44	3.80	2.65	1.00
FOR	0	0	0	10.61	6.15	4.76	0	3.07	4.22	10.61	1.37	1.93
NR	58.33	0	0	25.76	10.77	22.62	15.19	18.95	20.04	58.33	1.06	2.50
OCN	0	0	0	0	0	0	0	0	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0016 WATERSHED MANAGEMEN
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	15.00	23.08	10.61	7.69	8.33	13.92	11.23	7.19	23.08	.64	4.14
MM	0	20.00	53.85	22.73	58.46	51.19	50.63	36.69	22.33	58.46	.61	4.35
WLDM	0	5.00	23.08	0	0	0	2.53	4.37	8.47	23.08	1.94	1.37
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	0	0	0	4.55	0	0	0	.65	1.72	4.55	2.65	1.00
BOT	0	15.00	0	7.58	9.23	0	0	4.54	6.10	15.00	1.34	1.97
CHEM	0	0	0	0	7.69	4.76	0	1.78	3.15	7.69	1.77	1.49
ENGR	0	0	0	0	0	0	3.80	.54	1.44	3.80	2.65	1.00
GEOL	0	20.00	0	12.12	0	0	5.06	5.31	7.91	20.00	1.49	1.78
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	1.19	3.80	.71	1.43	3.80	2.01	1.32
MATH	41.67	25.00	0	0	0	5.95	0	10.37	16.55	41.67	1.60	1.66
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	0	6.06	0	0	0	.87	2.29	6.06	2.65	1.00
SOC	0	0	0	0	0	0	0	0	0	0	0	0
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	0	0	0	0	0	0

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0017 RANGE MANAGEMENT
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	0	0	0	.97	0	0	.69	.28	.44	.97	1.58	1.55
[illegible]	0	17.99	0	1.29	1.47	0	1.39	3.69	6.88	17.99	1.89	1.29
[illegible]	0	0	0	0	1.47	4.12	6.94	2.89	2.97	6.94	1.37	1.78
[illegible]	0	0	0	0	0	0	2.78	.46	1.13	2.78	2.45	1.88
[illegible]	0	0	0	0	0	1.69	2.78	.71	1.19	2.78	1.65	1.48
[illegible]	0	0	0	1.29	0	0	0	.22	.53	1.29	2.45	1.88
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	.97	1.18	0	0	.34	.54	1.18	1.55	1.58
[illegible]	0	0	0	1.29	0	0	0	.29	.53	1.29	2.45	1.88
[illegible]	0	0	0	.97	2.78	2.75	0	.98	1.89	2.75	1.21	2.83
[illegible]	0	0	0	1.62	4.76	1.87	4.51	2.13	2.18	4.76	.99	2.48
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	.32	1.47	.32	1.39	.59	.67	1.47	1.12	2.18
[illegible]	0	0	0	1.29	0	0	0	.22	.53	1.29	2.45	1.88
[illegible]	0	0	0	1.29	0	1.69	0	.47	.72	1.58	1.56	1.57
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	1.18	0	0	.18	.45	1.18	2.45	1.88
[illegible]	0	0	3.64	1.94	0	0	0	.93	1.54	3.64	1.65	1.48
[illegible]	0	18.42	29.88	19.74	17.99	28.34	15.61	22.23	6.53	14.41	.29	8.34
[illegible]	0	0	0	1.62	0	0	0	.27	.66	1.62	2.45	1.88

PROFILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0917 RANGE MANAGEMENT
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PH	0	0	25.45	30.48	22.88	10.85	21.19	21.14	12.64	30.48	.60	4.08
MP	0	0	7.27	9.27	1.18	0	7.29	2.99	3.43	7.29	1.15	2.13
MLCP	0	13.04	0	9.91	4.76	9.75	1.04	4.25	4.65	13.04	1.09	2.24
BSIP	0	0	0	0	0	0	0	0	0	0	0	0
PIPL	0	17.39	0	.97	1.47	2.62	6.25	4.78	6.55	17.39	1.37	1.79
PBT	0	21.74	18.19	6.15	17.58	22.47	10.76	16.15	6.43	16.32	.40	6.16
PWEP	0	0	9.09	4.85	12.82	3.37	1.74	5.31	4.91	12.82	.91	2.71
PWCP	0	0	0	0	0	0	0	0	0	0	0	0
EEPS	0	0	7.27	1.29	1.47	0	6.04	2.87	3.37	7.27	1.19	2.05
W EE	0	0	0	0	0	0	0	0	0	0	0	0
EB	0	0	0	1.29	0	0	0	.22	.53	1.29	2.45	1.00
WBIM	0	0	0	0	0	0	1.74	.29	.71	1.74	2.45	1.00
WLPS	0	0	0	0	0	0	0	0	0	0	0	0
PWPP	0	0	0	.97	2.56	2.62	3.13	1.55	1.40	3.13	.90	2.71
SPI	0	0	0	0	0	0	0	0	0	0	0	0
ZOPL	0	0	9.09	4.53	6.59	3.37	3.47	4.51	3.10	9.09	.69	3.56
P EE	0	0	0	.65	0	0	0	.11	.26	.65	2.45	1.00
PE	0	0	0	0	0	0	.35	.06	.14	.35	2.45	1.00

HUMPOLOT INPUT-IMPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0920 HOME ECONOMICS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	8.79	6.44	11.63	11.17	7.79	8.92	4.54	7.30	2.97	7.19	.36	7.27
[illegible]	0	0	.47	.49	0	0	0	.14	.23	.49	1.71	1.55
[illegible]	8.17	7.98	3.86	4.91	7.81	5.19	2.37	3.92	1.47	3.80	.37	7.06
[illegible]	1.36	1.69	1.41	.98	1.82	.00	1.07	1.63	.85	2.37	.52	5.08
[illegible]	3.36	7.98	7.82	7.33	7.39	3.21	7.86	7.83	.40	1.05	.14	18.70
[illegible]	7.74	10.68	8.17	7.88	4.89	7.17	11.65	7.74	3.02	7.84	.39	6.79
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	.63	1.38	6.79	1.47	2.65	2.22	2.07	2.43	1.99	6.07	.82	3.24
[illegible]	1.36	2.12	1.88	1.96	2.55	1.48	1.18	2.08	.71	2.16	.34	7.71
[illegible]	6.98	7.79	6.29	6.42	2.68	6.82	3.26	6.30	1.54	6.22	.36	7.42
[illegible]	6.86	7.93	6.23	6.50	6.21	6.43	3.46	5.01	2.10	6.26	.42	6.33
[illegible]	1.67	1.97	.84	.98	.61	.40	1.18	1.01	.42	1.18	.42	6.35
[illegible]	.42	.42	0	0	0	0	0	.12	.21	.42	1.71	1.55
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	1.26	1.69	2.88	1.35	2.84	1.11	1.18	1.50	.38	.93	.25	10.38
[illegible]	0	0	0	0	0	.40	0	.07	.19	.49	2.65	1.00
[illegible]	8.87	7.43	7.41	7.19	7.68	4.88	2.86	3.23	.53	1.65	.16	16.13
[illegible]	2.88	.42	0	1.47	1.82	1.48	.79	1.84	.71	2.09	.68	3.88
[illegible]	1.38	2.12	1.28	2.88	2.43	2.88	.79	1.88	.78	2.30	.42	6.36
[illegible]	1.26	2.81	1.57	.37	.77	.37	.69	.97	.61	1.64	.63	4.19
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	.42	.42	0	0	0	0	0	.12	.21	.42	1.71	1.55
[illegible]	0	0	1.18	0	0	0	0	.17	.44	1.18	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0020 HOME ECONIMICS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	.25	0	0	0	.04	.09	.25	2.65	1.00
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	1.67	8.47	1.88	4.66	1.53	2.22	13.23	4.91	4.47	11.70	.93	2.84
[illegible]	0	.53	1.18	0	0	.62	0	.33	.46	1.18	1.39	1.91
[illegible]	5.54	4.76	.50	9.45	8.17	.62	7.01	5.16	3.48	8.86	.67	3.92
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	.42	0	.47	0	.51	0	0	.20	.25	.51	1.25	2.11
[illegible]	29.64	38.04	26.70	33.25	47.30	38.04	33.86	34.82	5.94	16.50	.17	15.52
[illegible]	0	0	0	0	0	.49	.10	.08	.18	.49	2.18	1.22
[illegible]	3.24	1.27	3.06	0	1.15	1.36	.99	1.58	1.16	3.24	.74	3.59
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	.47	0	0	0	0	.07	.18	.47	2.65	1.00
[illegible]	.42	.63	0	0	.26	.00	.39	.27	.34	.99	.92	2.87
[illegible]	.52	2.12	6.46	0	1.92	3.09	.99	2.16	2.17	6.46	1.00	2.63
[illegible]	.21	.63	.47	1.84	1.53	.99	.39	.87	.62	1.63	.71	3.73
[illegible]	1.98	.95	1.65	.98	1.29	1.11	2.17	1.42	.49	1.33	.35	7.58

HUMPHREY INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0025 INDUSTRIAL ARTS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	8.22	8.48	10.91	10.83	11.54	14.82	7.01	11.40	4.21	11.90	.37	7.17
[illegible]	.44	.46	0	1.53	1.21	.75	2.95	1.05	.98	2.95	.93	2.83
[illegible]	5.92	5.69	4.98	3.55	4.35	4.88	2.58	4.57	1.19	3.34	.26	10.21
[illegible]	1.32	0	.45	.77	.40	.75	1.11	.69	.45	1.32	.65	4.07
[illegible]	2.08	2.44	3.74	2.88	2.43	2.91	2.49	2.71	.53	1.65	.20	13.41
[illegible]	.88	2.09	3.62	2.68	4.05	4.13	5.17	3.23	1.44	4.29	.45	5.92
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	2.52	.93	3.86	2.81	3.44	1.97	.83	2.11	.99	2.61	.47	5.63
[illegible]	2.19	3.72	1.76	0	.81	1.13	1.48	1.53	1.17	3.72	.77	3.44
[illegible]	4.39	2.32	5.18	3.26	5.06	7.50	6.83	4.92	1.83	5.18	.37	7.11
[illegible]	2.41	1.74	1.81	2.49	3.44	5.53	2.03	2.78	1.34	3.79	.48	5.48
[illegible]	.44	0	0	0	0	.19	0	.09	.17	.44	1.89	1.40
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	.44	0	0	.38	.40	0	0	.18	.22	.44	1.25	2.12
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	1.32	.93	1.97	.58	.81	.75	2.68	1.18	.86	2.44	.72	3.66
[illegible]	.88	.93	1.36	1.15	1.21	.75	.74	1.00	.24	.62	.24	11.01
[illegible]	1.21	.81	2.73	1.73	1.21	2.53	2.12	1.76	.72	1.90	.41	6.43
[illegible]	1.88	2.67	1.02	2.30	1.11	1.41	.37	1.54	.80	2.30	.52	5.10
[illegible]	0	0	.34	0	0	.28	0	.09	.15	.34	1.72	1.54
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	.91	0	1.11	0	.65	.38	.49	1.11	1.30	2.04
[illegible]	0	.78	0	.48	0	.47	0	.22	.27	.58	1.26	2.10

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0025 INDUSTRIAL ARTS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	.45	0	0	0	0	.06	.17	.45	2.65	1.00
[illegible]	.44	0	0	.38	0	.75	.37	.28	.29	.75	1.04	2.54
[illegible]	1.32	.46	1.36	.77	2.02	.78	1.11	1.06	.58	1.65	.54	4.86
[illegible]	0	0	.57	0	0	0	0	.08	.21	.57	2.65	1.00
[illegible]	0	0	0	.48	0	0	0	.07	.18	.48	2.65	1.00
[illegible]	.44	0	0	0	0	0	0	.06	.17	.44	2.65	1.00
[illegible]	.44	.46	1.36	.77	0	0	.74	.54	.48	1.36	.88	2.99
[illegible]	.33	0	0	0	0	0	.28	.09	.15	.33	1.72	1.54
[illegible]	53.95	60.74	40.88	55.32	40.70	40.15	49.54	50.04	7.52	20.59	.15	17.59
[illegible]	2.63	.58	.57	1.34	0	1.07	1.20	1.18	.90	2.63	.76	3.47
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	.38	.40	.38	.28	.21	.20	.40	.96	2.77
[illegible]	1.63	.59	1.59	1.34	1.62	1.88	2.95	1.63	.71	2.37	.44	6.05
[illegible]	0	0	0	0	1.01	.38	.46	.26	.39	1.01	1.46	1.81
[illegible]	.44	2.72	1.47	.86	.51	2.16	1.01	1.25	.76	1.88	.60	4.38
[illegible]	3.08	1.74	.45	1.73	2.13	1.22	3.04	1.77	.81	2.59	.45	5.82

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0072 NURSING
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
ENGL	.11	0	0	0	0	0	0	.02	.04	.11	2.65	1.00
GEOG	1.37	0	1.50	1.00	.37	.39	.85	.78	.55	1.50	.71	3.74
HIST	4.12	1.69	5.37	5.32	3.07	1.57	3.42	3.51	1.55	3.80	.44	5.98
PSCI	1.83	1.79	4.49	2.33	.74	1.96	2.28	2.20	1.14	3.75	.52	5.12
PSYCH	9.05	8.28	4.62	8.49	4.37	4.90	10.26	7.14	2.43	5.89	.34	7.76
SOC	2.06	10.29	4.49	3.83	12.64	3.72	4.13	5.88	3.95	10.58	.67	3.94
SP M	0	0	0	0	0	0	0	0	0	0	0	0
PS	0	.89	1.00	.25	1.67	2.15	.85	.98	.75	2.15	.77	3.44
ECON	3.21	2.24	4.00	1.00	2.23	3.13	2.85	2.66	.95	3.00	.36	7.39
BUS	1.37	1.34	3.00	.50	.28	1.76	1.64	1.41	.90	2.72	.63	4.18
ENGL	0.05	6.49	8.86	9.23	6.23	11.75	4.99	8.09	2.31	6.77	.29	9.27
FORN	.92	.45	0	.58	.28	.39	1.07	.53	.37	1.07	.70	3.79
GERM	0	0	0	0	0	0	1.14	.16	.43	1.14	2.65	1.00
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	.50	.67	0	0	0	.17	.29	.67	1.73	1.53
JN	1.15	.74	.37	0	0	0	0	.27	.42	1.15	1.60	1.66
RUS	1.03	1.23	1.87	2.33	2.23	2.74	3.49	2.13	.85	2.46	.40	6.62
ENTL	0	0	.50	.67	.74	2.74	.28	.71	.95	2.74	1.34	1.97
SPCH	2.75	.78	1.50	1.66	2.51	1.96	1.57	1.82	.66	1.97	.36	7.27
THEA	1.37	1.00	1.75	0	0	.78	.85	.95	.77	1.90	.81	3.27
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	.19	0	0	.03	.07	.19	2.65	1.00
NR	2.20	1.79	1.00	0	.37	0	.28	.82	.91	2.29	1.11	2.38
OCN	0	0	0	0	0	0	0	0	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0072 NURSING
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	.20	.14	.05	.08	.20	1.74	1.52
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	8.25	9.29	2.00	14.14	1.95	.70	13.46	7.07	5.68	13.75	.80	3.29
[illegible]	0	0	0	0	.46	.49	0	.14	.23	.49	1.71	1.55
[illegible]	9.85	8.50	0	7.90	6.32	.39	4.84	5.41	3.91	9.85	.72	3.67
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	.85	.12	.32	.85	2.65	1.00
[illegible]	4.81	.78	1.62	7.32	3.07	1.86	3.99	3.24	2.18	6.54	.67	3.94
[illegible]	0	0	0	0	0	.10	0	.01	.04	.10	2.65	1.00
[illegible]	0	0	0	0	0	0	.71	.10	.27	.71	2.65	1.00
[illegible]	33.56	32.89	33.08	29.70	30.71	39.18	31.27	34.14	3.72	9.61	.11	24.27
[illegible]	0	0	0	0	0	0	.28	.04	.11	.28	2.65	1.00
[illegible]	0	0	.87	0	0	.20	.28	.19	.32	.87	1.66	1.59
[illegible]	1.03	7.61	14.36	.75	8.55	13.61	1.21	6.73	5.89	13.61	.88	3.02
[illegible]	.23	.22	1.37	.58	.56	.59	1.00	.65	.41	1.15	.63	4.17
[illegible]	1.37	1.23	1.87	1.66	1.86	3.04	1.99	1.86	.59	1.81	.32	8.38

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0100 EDUCATION
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	87.88	78.74	88.02	91.94	77.01	56.05	51.70	75.84	15.98	40.24	.21	12.55
[illegible]	0	1.84	0	0	0	0	0	.26	.70	1.84	2.65	1.00
[illegible]	0	1.84	2.08	0	0	0	4.55	1.21	1.74	4.55	1.44	1.84
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	9.76	6.45	4.17	0	9.77	3.82	11.36	6.48	4.08	11.36	.63	4.20
[illegible]	0	1.84	0	0	4.60	2.55	6.82	2.26	2.64	6.82	1.17	2.26
[illegible]	0	0	0	0	0	0	2.27	.32	.86	2.27	2.65	1.00
[illegible]	0	0	0	1.42	3.45	3.82	2.27	1.57	1.66	3.82	1.06	2.50
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	1.90	1.72	5.73	8.52	2.55	3.33	8.52	1.30	2.03
[illegible]	.91	0	0	0	0	5.73	1.70	1.19	2.11	5.73	1.77	1.50
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	1.84	2.08	0	0	0	2.27	.89	1.11	2.27	1.26	2.11
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	9	1.84	.52	.95	1.72	4.46	3.98	1.92	1.70	4.46	.88	3.00
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	9	1.78	0	1.90	0	0	0	.47	.81	1.90	1.74	1.52
[illegible]	0	0	0	0	0	0	1.14	.16	.43	1.14	2.65	1.00
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	1.91	0	.27	.72	1.91	2.65	1.00
[illegible]	0	0	0	0	0	3.18	0	.45	1.20	3.18	2.65	1.00

HUMPHLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0100 EDUCATION
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PH	0	0	0	0	0	0	0	0	0	0	0	0
WP	0	0	0	0	0	0	0	0	0	0	0	0
WLFM	0	0	0	0	0	0	0	0	0	0	0	0
ASTP	0	0	0	0	0	0	0	0	0	0	0	0
MICL	0	0	0	0	0	0	0	0	0	0	0	0
POT	0	0	0	0	0	0	0	0	0	0	0	0
FWFP	0	0	0	0	0	0	0	0	0	0	0	0
FWLF	0	0	0	0	0	0	0	0	0	0	0	0
CFPL	0	0	0	0	0	0	0	0	0	0	0	0
M FP	0	1.38	1.56	0	0	7.82	0	.97	1.44	3.82	1.49	1.78
TB	0	.02	1.56	1.00	0	.64	0	.72	.78	1.00	1.09	2.42
MATH	1.52	2.78	0	0	0	6.37	0	1.46	2.36	6.37	1.62	1.64
BUBS	0	0	0	0	0	0	0	0	0	0	0	0
BWFP	0	0	0	0	0	0	0	0	0	0	0	0
CPY	0	0	0	0	0	1.27	0	.18	.48	1.27	2.65	1.00
TRFL	0	0	0	0	0	0	2.27	.32	.86	2.27	2.65	1.00
M FP	0	0	0	0	1.72	0	0	.25	.65	1.72	2.65	1.00
RF	0	0	0	0	0	.64	1.14	.25	.46	1.14	1.80	1.47

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0130 PSYCHOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	7.48	6.96	7.58	7.71	6.33	7.09	7.40	6.61	1.91	5.54	.29	9.13
[illegible]	1.89	.37	1.11	1.42	1.42	.91	.25	.93	.47	1.17	.50	5.29
[illegible]	3.93	3.29	3.24	4.74	3.02	2.76	3.25	3.26	.73	2.38	.22	11.85
[illegible]	1.72	1.78	1.48	1.16	1.56	.30	2.62	1.45	.69	2.32	.48	5.54
[illegible]	54.58	40.21	51.34	49.48	48.97	44.88	51.25	49.82	3.01	9.70	.06	43.83
[illegible]	6.82	6.73	6.62	5.43	6.61	7.46	8.18	6.72	.90	2.76	.13	19.71
[illegible]	0	0	0	0	0	0	1.31	.19	.50	1.31	2.65	1.00
[illegible]	1.29	3.85	3.47	1.77	1.71	1.71	2.00	2.26	.99	2.56	.44	6.05
[illegible]	2.86	1.11	1.30	1.55	1.28	.91	.87	1.30	.41	1.19	.32	8.36
[illegible]	2.71	2.23	1.25	1.45	2.56	3.02	2.90	2.43	.91	2.67	.37	7.10
[illegible]	6.67	3.76	4.40	4.00	6.01	4.64	3.15	4.67	1.25	3.51	.27	9.89
[illegible]	1.68	1.75	.28	.65	.64	.15	.56	.76	.56	1.53	.73	3.60
[illegible]	.59	.37	.19	.81	.43	.30	.62	.46	.21	.62	.45	5.88
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	.14	.30	.47	.13	.19	.47	1.44	1.84
[illegible]	.69	.79	.23	.97	.78	.15	.69	.60	.30	.82	.49	5.35
[illegible]	.30	.37	.28	.13	.07	.23	.44	.27	.14	.37	.51	5.23
[illegible]	1.81	2.64	1.62	2.48	1.60	1.45	1.66	1.89	.47	1.20	.25	10.61
[illegible]	1.56	1.46	1.48	2.71	1.56	2.13	1.37	1.81	.47	1.34	.26	10.12
[illegible]	1.04	2.41	1.57	2.32	3.27	3.65	1.37	2.36	.84	2.28	.36	7.41
[illegible]	.77	.83	1.57	1.00	1.03	1.67	1.59	1.21	.39	.90	.32	8.27
[illegible]	0	.14	0	0	0	0	0	.02	.05	.14	2.65	1.00
[illegible]	0	0	0	0	0	.19	.06	.04	.07	.19	1.99	1.33
[illegible]	.17	.19	.19	.13	.43	.15	.12	.20	.10	.30	.53	4.98
[illegible]	0	.78	1.16	.97	.18	.19	0	.46	.48	1.16	1.05	2.52

HUMBOLDT INPLT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0130 PSYCHOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	.14	0	0	.04	0	.06	.03	.05	.14	1.55	1.71
[illegible]	.52	0	0	.39	0	.46	.25	.23	.23	.52	1.00	2.65
[illegible]	2.06	1.49	2.04	1.94	.71	1.52	1.56	1.62	.47	1.35	.29	9.09
[illegible]	0	.14	.46	.81	.68	.95	0	.43	.39	.95	.91	2.92
[illegible]	.22	.23	.23	0	.18	.57	.16	.23	.17	.57	.76	3.48
[illegible]	.13	0	0	0	0	0	.03	.02	.05	.13	2.11	1.26
[illegible]	0	.19	.58	.39	.43	.15	.25	.28	.19	.56	.67	3.92
[illegible]	.69	.46	.69	.65	.46	1.10	.41	.62	.24	.70	.38	7.00
[illegible]	.13	.14	.06	0	.32	.27	.24	.17	.12	.32	.73	3.63
[illegible]	1.42	2.32	1.38	1.48	1.92	2.50	.72	1.68	.54	1.97	.38	6.92
[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	0	.28	.32	.19	.25	.49	.12	.24	.17	.49	.71	3.74
[illegible]	1.86	1.81	.68	1.94	1.78	1.67	1.75	1.63	.46	1.73	.28	9.37
[illegible]	0	.46	.42	.74	1.31	1.52	.44	.70	.54	1.52	.77	3.43
[illegible]	.29	.28	1.06	.58	.85	.76	.01	.80	.16	.52	.20	13.10
[illegible]	1.28	1.35	1.04	1.17	1.49	2.28	.91	1.48	.48	1.38	.32	8.23

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0201 PHYSICAL EDUCATION
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	9.97	8.50	14.28	10.84	11.13	11.68	10.12	10.93	1.79	5.77	.16	16.14
GEOG	.71	1.07	1.63	1.07	1.59	1.30	2.35	1.39	.53	1.64	.38	6.92
HIST	3.41	3.85	3.45	4.00	3.00	3.10	4.96	3.81	.81	1.96	.21	12.38
PSCI	2.66	.00	1.45	1.29	.33	1.19	1.04	1.26	.71	2.33	.56	4.69
PSYCH	1.15	1.57	1.81	3.22	4.77	4.22	3.26	2.86	1.38	3.62	.48	5.47
SOC	6.82	7.16	4.22	3.94	4.05	3.75	4.60	4.93	1.43	3.41	.29	9.10
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	.35	.40	.41	0	.33	.58	1.18	.46	.36	1.18	.77	3.42
ECON	1.06	1.61	1.99	1.57	.59	1.44	1.57	1.40	.45	1.42	.32	8.15
APT	1.46	1.74	1.99	1.83	1.92	1.55	1.27	1.61	.27	.64	.17	15.80
ENGL	6.29	2.78	3.04	6.55	4.77	4.04	3.53	4.56	1.51	3.77	.33	7.97
FREN	.09	.27	.27	.11	0	.18	0	.13	.11	.27	.87	3.04
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.13	.13	.14	.11	.11	.11	.10	.12	.02	.04	.13	19.62
SPAN	.71	.81	.82	.61	.83	.58	.59	.70	.11	.25	.16	16.36
JN	.58	1.12	.32	0	0	0	.23	.32	.41	1.12	1.29	2.05
MUS	1.37	2.42	1.90	1.61	1.45	1.26	1.63	1.66	.39	1.16	.24	11.22
PHIL	0	1.07	.54	1.00	1.30	.86	1.18	.85	.45	1.30	.52	5.04
SPCH	1.64	.72	3.08	2.18	1.95	1.15	1.14	1.70	.79	2.37	.47	5.64
THEA	.35	.67	1.50	.75	.69	.43	.36	.68	.40	1.14	.58	4.53
FISH	0	0	0	0	.11	0	.10	.03	.05	.11	1.71	1.55
FOR	0	0	.23	0	0	0	0	.03	.09	.23	2.65	1.00
NR	0	.36	1.00	.64	.36	.11	.13	.37	.35	1.00	.94	2.81
OCN	0	0	0	.18	0	.47	0	.09	.19	.47	1.93	1.37

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0201 PHYSICAL EDUCATION
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	.14	0	0	0	.02	.05	.14	2.65	1.00
WLDM	0	0	0	0	.43	.11	0	.08	.16	.43	2.10	1.26
ASTR	0	0	0	.14	0	.72	0	.12	.27	.72	2.18	1.22
BIOL	1.24	1.52	.95	1.00	1.23	.72	1.47	1.16	.29	.80	.25	10.66
BOT	.44	0	.68	.18	.90	.72	.49	.49	.32	.90	.65	4.09
CHEM	.22	0	0	.47	.18	.14	.13	.16	.16	.47	.97	2.73
ENGR	0	0	0	0	0	0	.03	.00	.01	.03	2.65	1.00
GEOL	.35	.18	.50	.14	.54	.14	.26	.30	.17	.40	.55	4.82
H EC	.13	.40	0	.11	.22	.72	.42	.29	.25	.72	.86	3.08
IA	.44	.49	.27	.04	.29	.76	.13	.29	.16	.46	.56	4.69
MATH	.66	.58	.14	.93	.18	.76	.65	.56	.29	.79	.53	5.01
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	.11	.11	0	.10	.04	.06	.11	1.25	2.12
SCT	2.13	1.92	.95	1.86	1.23	.72	1.89	1.53	.55	1.41	.36	7.32
ZOOL	6.96	7.65	3.72	4.72	5.06	4.29	4.73	5.43	1.45	3.94	.27	9.85
H ED	3.63	5.05	3.22	5.08	2.79	8.76	5.32	4.91	2.12	6.37	.43	6.13
PE	45.02	44.54	45.60	42.66	47.09	42.95	45.02	44.70	1.53	4.43	.03	77.55

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0325 ENGINEERING, CIVIL
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	.10	0	0	0	0	.15	.04	.06	.15	1.75	1.52
GEOG	.37	0	.93	0	0	.64	.59	.36	.38	.93	1.04	2.54
HIST	3.93	3.29	1.28	2.18	2.50	1.27	1.18	2.23	1.08	2.75	.48	5.47
PSCI	3.29	2.88	3.27	1.63	1.17	3.82	.59	2.38	1.23	3.23	.52	5.10
PSYCH	2.10	2.08	4.55	4.36	2.94	.64	1.77	2.76	1.40	3.91	.51	5.22
SOC	1.64	2.67	4.43	1.63	.59	0	1.77	1.82	1.44	4.43	.79	3.34
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.00	1.03	1.75	.68	.88	1.43	3.10	1.41	.83	2.42	.58	4.52
ECON	1.83	.82	2.33	.54	1.76	1.27	1.18	1.39	.62	1.79	.45	5.93
ART	.55	.93	1.05	.41	3.08	.95	1.77	1.25	.92	2.67	.74	3.60
ENGL	5.11	7.51	4.67	1.91	4.55	5.56	2.06	4.48	1.97	5.60	.44	6.02
FREN	.73	0	0	0	0	0	0	.10	.28	.73	2.65	1.00
GERM	.37	.41	.47	0	0	0	0	.18	.22	.47	1.26	2.10
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	.37	0	0	0	0	0	0	.05	.14	.37	2.65	1.00
MUS	.91	1.03	1.17	1.91	.88	1.50	.88	1.20	.40	1.03	.34	7.89
PHTL	.73	1.23	.47	.54	.59	1.27	.59	.78	.34	.81	.43	6.10
SPCH	3.29	2.06	1.40	.54	0	.64	2.36	1.47	1.17	3.29	.79	3.33
THEA	.27	.93	1.17	.82	.44	.32	.88	.69	.34	.89	.50	5.30
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NP	.37	1.23	.35	0	.59	0	0	.36	.45	1.23	1.24	2.14
OCN	.46	0	0	0	0	0	.59	.15	.26	.59	1.73	1.53

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0325 ENGINEERING, CIVIL
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	.44	.06	.17	.44	2.65	1.00
WLDM	0	.31	.82	0	0	0	0	.16	.31	.82	1.94	1.37
ASTR	0	0	0	0	0	.64	0	.09	.24	.64	2.65	1.00
BIOL	.73	1.23	1.40	.54	1.76	1.91	3.54	1.59	.99	2.99	.63	4.23
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	9.04	5.66	4.08	6.81	4.41	3.97	3.69	5.38	1.96	5.35	.36	7.27
ENGR	27.12	29.12	27.77	40.74	37.00	36.72	49.26	35.39	8.07	22.14	.23	11.60
GEOL	0	.82	1.40	.54	0	.64	0	.49	.53	1.40	1.09	2.43
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	1.37	.62	1.40	1.23	1.62	1.43	1.33	1.28	.32	1.00	.25	10.72
MATH	22.83	21.91	20.07	22.62	21.29	21.78	13.42	20.56	3.28	9.41	.16	16.60
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	8.40	8.23	10.27	8.17	10.43	9.54	8.55	9.08	.98	2.25	.11	24.64
SOT	0	.92	.35	1.09	0	.05	0	.46	.49	1.09	1.06	2.50
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	1.28	.62	1.63	.27	1.17	.48	0	.78	.59	1.63	.76	3.47
PE	1.92	1.54	1.52	.82	2.35	2.54	.29	1.57	.80	2.25	.51	5.17

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0326 ENGINEERING SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	0	0	0	0	0	0	0	0	0
GEOG	0	0	4.26	0	1.56	.85	0	.95	1.58	4.26	1.66	1.60
HIST	0	8.08	0	2.26	.59	2.55	1.75	2.18	2.80	8.08	1.29	2.05
POLT	3.67	4.04	0	2.26	.78	1.70	0	1.78	1.65	4.04	.93	2.86
PSYCH	0	0	8.51	5.46	0	1.06	1.32	2.34	3.34	8.51	1.43	1.85
SOC	3.67	0	4.26	.38	4.69	1.70	1.75	2.35	1.87	4.69	.80	3.32
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	2.75	0	0	1.88	4.88	3.40	3.95	2.41	1.99	4.88	.79	3.37
ECON	0	4.04	4.26	.75	3.13	1.70	0	1.98	1.93	4.26	.92	2.86
ART	0	3.03	3.19	1.69	1.17	2.55	0	1.66	1.34	3.19	.81	3.28
ENGL	0	8.08	9.57	2.64	7.23	1.28	0	4.11	4.07	9.57	.99	2.67
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	3.67	0	0	0	0	0	1.75	.77	1.43	3.67	1.85	1.43
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	3.67	0	0	0	0	0	0	.52	1.39	3.67	2.65	1.00
MUS	0	0	0	2.07	2.73	1.91	6.58	1.90	2.36	6.58	1.24	2.13
PHTL	0	0	0	2.26	2.34	0	1.75	.91	1.15	2.34	1.26	2.09
SPCH	7.34	0	0	1.51	2.34	2.34	3.51	2.43	2.51	7.34	1.03	2.56
THEA	0	0	2.13	0	.59	1.28	2.63	.95	1.09	2.63	1.15	2.29
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	.39	0	0	.06	.15	.39	2.65	1.00
NP	0	0	0	0	.78	.85	0	.23	.40	.85	1.71	1.55
CON	0	0	0	.94	.98	0	0	.27	.47	.98	1.71	1.55

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0326 ENGINEERING SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
BM	0	0	0	0	0	0	0	0	0	0	0	0
BLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	.75	.0	.85	1.75	.48	.68	1.75	1.41	1.87
BIOL	0	0	0	.75	.78	.85	0	.34	.43	.85	1.25	2.12
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	9.17	5.05	4.26	9.47	4.88	7.23	3.51	6.08	2.20	5.67	.36	7.31
ENGR	8.26	14.14	9.57	22.03	26.95	24.68	25.44	18.73	7.89	18.70	.42	6.28
GEOL	0	0	0	0	.78	0	0	.11	.30	.78	2.65	1.00
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	2.75	0	0	3.39	2.34	3.19	1.32	1.86	1.44	3.30	.77	3.42
MATH	41.28	34.34	26.60	27.50	18.75	27.66	28.95	29.30	7.00	22.53	.24	11.08
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	11.93	16.16	17.02	11.30	10.16	9.36	12.28	12.60	2.91	7.66	.23	11.44
SCI	.92	0	4.26	0	0	1.28	0	.92	1.56	4.26	1.70	1.56
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	2.02	2.13	.75	.78	.85	.88	1.06	.76	2.13	.71	3.70
PE	.92	1.01	0	.94	.39	.85	.88	.71	.37	1.01	.53	5.04

HUMBOLDT INPLT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0327
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	0	0	0	0	0	0	0	0	0
GEOG	0	0	0	0	0	0	0	0	0	0	0	0
HIST	0	0	0	0	0	0	7.33	7.33	0	0	0	0
PSCI	0	0	0	0	0	0	4.40	4.40	0	0	0	0
PSYCH	0	0	0	0	0	0	9.89	9.89	0	0	0	0
SOC	0	0	0	0	0	0	2.20	2.20	0	0	0	0
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	0	0	0	0	0	0	2.20	2.20	0	0	0	0
ECON	0	0	0	0	0	0	4.40	4.40	0	0	0	0
APT	0	0	0	0	0	0	0	0	0	0	0	0
ENGL	0	0	0	0	0	0	5.13	5.13	0	0	0	0
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	1.47	1.47	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	0	0	0	0	0	2.20	2.20	0	0	0	0
PHTL	0	0	0	0	0	0	1.47	1.47	0	0	0	0
SPCH	0	0	0	0	0	0	1.47	1.47	0	0	0	0
THEA	0	0	0	0	0	0	1.10	1.10	0	0	0	0
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	0	0	0	0	0	0
OCN	0	0	0	0	0	0	0	0	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0327
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	0	0	0	0	0	0	0	0	0	0	0	0
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	1.83	1.83	0	0	0	0
ENGR	0	0	0	0	0	0	19.41	19.41	0	0	0	0
GEOL	0	0	0	0	0	0	1.47	1.47	0	0	0	0
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	0	0	0	0	0	20.15	20.15	0	0	0	0
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	0	0	0	0	5.86	5.86	0	0	0	0
SOC	0	0	0	0	0	0	2.93	2.93	0	0	0	0
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	0	0	0	1.47	1.47	0	0	0	0
PE	0	0	0	0	0	0	3.66	3.66	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0501 SOCIAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	15.39	12.98	21.98	17.53	15.81	15.85	12.86	15.49	3.15	9.12	.20	13.02
GEOG	5.26	4.10	2.01	7.42	6.11	4.36	7.92	5.31	2.05	5.90	.39	6.86
HIST	17.63	17.85	19.97	16.71	21.85	19.89	19.05	18.99	1.75	5.14	.09	28.77
PSCT	9.90	7.34	6.04	9.59	6.88	5.78	7.17	7.53	1.62	4.11	.21	12.31
PSYCH	4.33	3.42	2.77	3.71	4.43	4.75	5.32	4.10	.96	2.55	.21	12.59
SOC	10.99	11.61	8.31	13.53	10.24	12.36	17.50	12.08	2.91	9.20	.24	11.00
SP H	0	0	0	0	0	0	1.61	.23	.61	1.61	2.65	1.00
BA	2.09	1.37	1.34	.46	1.38	1.27	.56	1.21	.55	1.62	.46	5.79
ECON	4.02	4.10	4.36	3.71	1.83	2.85	2.47	3.34	.96	2.53	.29	9.23
ART	4.41	1.28	1.76	2.32	2.90	3.17	.74	2.37	1.24	3.67	.53	5.04
ENGL	5.03	7.86	5.96	5.03	4.97	4.36	4.08	5.32	1.26	3.77	.24	11.14
FREN	.15	0	.34	.77	.61	.63	.25	.39	.28	.77	.72	3.66
GERM	.62	.34	1.09	.62	.61	.32	.25	.55	.29	.84	.52	5.06
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	.34	.15	0	0	0	.07	.13	.34	1.86	1.42
SPAN	.31	.34	.34	1.08	1.38	1.11	.62	.74	.44	1.07	.60	4.41
JN	0	0	.25	0	0	.32	0	.08	.14	.32	1.72	1.54
MUS	1.62	3.16	2.60	3.02	1.68	2.61	1.73	2.35	.66	1.54	.28	9.45
PHYL	3.09	5.47	4.70	3.40	3.06	3.65	4.21	3.94	.90	2.41	.23	11.59
SPCH	2.17	1.45	1.93	3.94	2.82	3.80	.25	2.48	1.42	3.70	.57	4.61
THEA	1.55	1.54	.76	1.24	1.60	.40	1.24	1.19	.46	1.21	.38	6.90
FISH	0	0	0	.23	0	0	0	.03	.09	.23	2.65	1.00
FOR	.31	0	0	0	0	0	0	.04	.12	.31	2.65	1.00
NR	.93	.34	.25	.31	.31	.32	0	.35	.29	.93	.80	3.31
OCN	0	.43	.42	.77	.69	0	0	.33	.33	.77	1.01	2.61

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0501 SOCIAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLCM	0	.17	0	0	.23	0	.12	.07	.10	.23	1.31	2.02
ASTP	.62	0	0	0	0	.32	0	.17	.24	.62	1.83	1.45
BIOL	.31	1.71	.34	.03	.61	1.27	2.04	1.03	.67	1.73	.66	4.04
BOT	0.	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	.43	.42	.31	.38	.40	0	.28	.19	.43	.70	3.80
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	.77	1.37	.34	.62	.31	.63	1.24	.75	.41	1.06	.55	4.84
H EC	.46	.68	1.26	.93	1.99	2.54	1.05	1.27	.74	2.07	.58	4.56
IA	.23	0	0	.08	0	.24	.25	.11	.12	.25	1.05	2.49
MATH	2.94	6.40	3.78	3.09	2.29	1.98	2.16	3.24	1.53	4.42	.47	5.59
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	.34	0	0	.24	0	.08	.14	.34	1.74	1.52
SCI	2.40	1.71	1.51	.62	1.45	1.90	1.98	1.65	.56	1.78	.34	7.86
ZOOL	0	.43	0	0	0	0	.49	.17	.23	.49	1.71	1.54
H EC	1.08	.85	1.43	.70	.31	.40	1.24	.86	.42	1.12	.49	5.39
PE	1.39	1.28	3.10	1.16	2.29	2.30	1.61	1.88	.71	1.94	.38	6.98

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0510 ECONOMICS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.85	1.05	3.46	.61	7.73	4.57	5.12	3.47	2.57	7.13	.74	3.58
GEOG	2.26	0	3.77	.81	2.21	2.29	.93	1.75	1.26	3.77	.72	3.69
HIST	8.19	8.64	7.55	8.94	14.64	21.14	10.23	11.33	4.93	13.60	.43	6.09
PSCT	4.52	3.34	1.26	3.25	7.73	2.29	.93	3.33	2.31	6.80	.69	3.82
PSYCH	2.54	5.29	0	0	3.31	3.14	3.02	2.47	1.90	5.29	.77	3.45
SOC	4.52	2.23	3.77	3.66	4.42	4.57	.93	3.44	1.37	3.64	.40	6.63
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.69	12.26	5.97	5.89	8.56	14.86	7.91	8.16	4.35	13.16	.53	4.96
ECON	47.46	48.19	47.80	56.91	38.67	25.14	48.60	44.68	10.10	31.77	.23	11.70
ART	1.69	0	.94	1.22	0	0	.70	.65	.68	1.69	1.04	2.53
ENGL	3.39	5.29	5.03	4.47	0	3.71	3.49	3.63	1.77	5.29	.49	5.44
FREN	1.13	1.11	0	0	0	0	0	.32	.55	1.13	1.71	1.55
GERM	1.98	.84	0	0	0	0	0	.40	.76	1.98	1.89	1.40
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	.81	1.10	1.14	.93	.57	.54	1.14	.95	2.77
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	2.54	.56	2.20	.41	.28	.29	.70	1.00	.96	2.27	.96	2.75
PHIL	0	1.11	1.26	1.63	0	1.14	0	.73	.71	1.63	.96	2.75
SPCH	1.13	1.11	1.26	3.46	3.59	7.71	5.35	3.37	2.50	6.60	.74	3.57
THEA	1.41	.84	.94	0	0	0	0	.46	.60	1.41	1.31	2.03
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	1.78	.29	0	.24	.52	1.38	2.16	1.22
NR	1.13	0	.94	0	0	0	0	.30	.51	1.13	1.72	1.54
OCN	1.41	0	0	0	0	0	0	.20	.53	1.41	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0510 ECONOMICS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	.61	0	0	0	.09	.23	.61	2.65	1.00
ASTP	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	1.13	2.23	1.26	.81	1.10	1.14	0	1.10	.66	2.23	.60	4.41
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	2.26	1.11	2.52	.81	0	0	0	.96	1.07	2.52	1.12	2.36
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	0	0	0	.61	1.66	1.43	.70	.63	.69	1.66	1.11	2.39
MATH	3.67	2.79	6.60	0	3.04	2.57	8.60	3.90	2.84	8.60	.73	3.63
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SOC	2.82	0	0	3.25	.55	.57	1.86	1.20	1.35	3.25	1.04	2.54
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	1.69	1.11	.94	0	0	1.71	0	.78	.78	1.71	1.00	2.64
PE	.56	0	2.52	1.83	0	.29	0	.74	1.02	2.52	1.37	1.93

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0525 HISTORY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	11.57	10.96	14.34	11.86	13.62	14.07	11.51	12.56	1.40	3.39	.11	23.78
GEOG	4.77	2.03	1.95	1.91	1.45	1.31	2.14	2.22	1.16	3.46	.52	5.05
HIST	37.95	41.96	37.61	42.93	40.02	36.45	39.63	39.51	2.36	6.47	.06	44.33
PSCT	5.54	4.82	4.80	3.58	4.64	4.53	3.50	4.49	.72	2.04	.16	16.44
PSYCH	3.27	2.45	2.03	2.69	2.14	4.03	4.36	3.12	.82	2.22	.26	10.11
SOC	3.69	2.96	2.58	3.68	2.32	2.18	3.83	3.03	.70	1.65	.23	11.46
SP H	0	0	0	0	0	0	.03	.00	.01	.03	2.65	1.00
BA	1.27	1.23	1.82	1.30	1.23	.76	1.25	1.26	.31	1.06	.24	10.89
ECON	2.77	2.71	1.78	2.05	2.46	.87	2.02	2.09	.65	1.90	.31	8.45
ART	1.73	1.27	1.20	1.06	1.59	1.52	1.51	1.41	.24	.67	.17	15.50
ENGL	5.11	4.95	6.35	6.17	4.60	4.82	4.69	5.24	.72	1.75	.14	19.33
FREN	1.46	1.27	1.24	1.77	1.27	1.20	1.07	1.33	.23	.70	.17	15.31
GERM	.50	.59	.36	.51	.36	.25	1.48	.58	.41	1.23	.72	3.70
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.46	.17	.36	.14	.29	.25	.33	.28	.11	.32	.39	6.77
SPAN	2.31	1.69	2.18	2.97	3.33	2.97	2.40	2.55	.57	1.64	.22	11.92
JN	.42	.72	.57	.58	.58	.51	.27	.52	.14	.45	.27	9.63
MUS	1.61	2.24	1.82	2.22	1.27	2.21	1.63	1.86	.38	.97	.20	12.97
PHTL	1.85	1.27	1.42	1.77	2.61	2.03	1.66	1.80	.44	1.34	.24	10.87
SPCH	2.19	2.16	1.78	2.32	1.99	2.07	2.14	2.09	.17	.54	.08	31.82
THEA	.38	1.18	1.60	.90	1.74	2.07	2.17	1.45	.53	1.78	.44	6.03
FISH	0	0	0	0	0	.11	.00	.03	.05	.11	1.72	1.54
FOR	0	0	.00	0	0	.07	.00	.04	.04	.09	1.26	2.11
NR	.71	0	.71	0	.14	.15	.24	.22	.24	.71	1.10	2.40
OCN	0	.42	.67	.85	.72	.91	0	.51	.38	.91	.75	3.54

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0525 HISTORY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	.00	.00	.00	.00	.00	.00	.12	.02	.04	.12	2.65	1.00
WM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WLDM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASTR	.15	.00	.00	.41	.00	.25	.00	.05	.10	.25	1.97	1.35
BIOL	1.69	1.61	1.89	.68	2.03	1.45	1.78	1.45	.49	1.35	.34	7.84
BOT	.19	.21	.44	.00	.00	.36	.00	.17	.18	.44	1.06	2.50
CHEM	.19	.21	.22	.31	.18	.00	.00	.16	.12	.31	.73	3.63
ENGR	.00	.00	.00	.00	.00	.00	.03	.00	.01	.03	2.65	1.00
GEOL	.77	.07	.89	.55	.36	.98	.24	.68	.30	.74	.44	5.98
H EC	.35	.21	.27	.31	.69	1.34	1.51	.67	.54	1.30	.81	3.25
IA	.12	.72	.71	.41	.54	1.63	1.04	.74	.49	1.52	.66	4.01
MATH	1.65	2.50	1.24	1.16	3.01	1.63	1.63	1.83	.67	1.85	.37	7.18
NURS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYX	.00	.13	.13	.14	.00	.00	.00	.06	.07	.14	1.25	2.12
SCI	2.46	1.49	2.04	1.50	.94	1.45	1.25	1.59	.51	1.52	.32	8.30
ZOOL	.69	1.57	.75	1.33	.80	1.38	1.10	1.09	.35	.97	.32	8.29
PE	2.58	3.74	3.82	1.70	2.72	3.26	3.03	2.92	.68	2.11	.23	11.41

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0536 POLITICAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	10.04	7.64	7.88	5.63	3.04	6.46	5.53	6.60	2.21	7.00	.33	7.90
GEOG	3.39	.56	0	.70	.41	2.08	1.40	1.23	1.18	3.39	.95	2.78
HIST	12.45	16.25	11.03	10.66	15.21	17.71	17.56	14.41	3.00	7.05	.21	12.69
PSCT	37.62	38.33	28.65	52.32	43.61	31.56	23.00	36.44	9.78	29.32	.27	9.86
PSYCH	2.26	2.50	2.15	1.58	5.88	2.50	6.58	3.35	2.00	5.01	.60	4.43
SOC	1.98	3.61	5.44	2.76	2.84	3.13	4.92	3.53	1.24	3.46	.35	7.52
SP H	0	0	0	0	0	0	.09	.01	.03	.09	2.65	1.00
BA	2.12	2.08	4.15	2.57	2.84	3.54	2.37	2.81	.77	2.07	.28	9.60
ECON	1.70	5.28	6.30	2.47	3.45	2.20	4.21	3.67	1.69	4.61	.46	5.75
ART	0	0	1.72	.59	.61	.94	1.32	.74	.64	1.72	.87	3.05
ENGL	4.10	5.69	5.16	4.24	3.14	6.56	6.32	5.03	1.26	3.42	.25	10.58
FREN	1.13	.56	.57	.32	.41	0	0	.44	.39	1.13	.89	2.99
GERM	1.70	1.11	1.29	.89	.41	.42	.70	.93	.47	1.29	.51	5.20
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.42	.42	1.00	.60	.81	.63	.61	.66	.21	.59	.32	8.34
SPAN	.71	.97	.57	.99	1.01	0	2.11	.91	.64	2.11	.70	3.77
JN	1.84	.97	0	0	0	.83	.26	.56	.70	1.84	1.25	2.12
MUS	1.13	.56	.72	.60	1.12	.63	2.72	1.08	.76	2.17	.70	3.76
PHTL	2.26	.56	2.29	1.58	1.62	2.08	2.81	1.89	.72	2.25	.38	6.91
SPCH	2.69	3.06	2.87	2.57	3.65	4.60	3.60	3.30	.74	2.12	.22	11.78
THEA	2.40	2.22	3.58	1.09	2.54	1.04	.44	1.90	1.09	3.14	.57	4.62
FISH	0	0	0	0	0	0	.26	.04	.10	.26	2.65	1.00
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	1.70	0	0	0	.20	1.15	0	.45	.59	1.70	1.54	1.72
OCN	0	0	2.87	0	0	.52	0	.48	1.07	2.87	2.21	1.20

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0536 POLITICAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	.57	0	0	.79	0	0	0	0	0	0	0	0
BIOL	0	1.67	4.01	.39	1.22	1.25	3.42	1.71	1.49	4.01	.87	3.03
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	.57	.56	.86	0	0	0	.70	.38	.37	.86	.97	2.72
H EC	0	0	0	0	0	0	.26	.04	.10	.26	2.65	1.00
IA	0	.42	.57	0	0	.42	.53	.28	.26	.57	.96	2.76
MATH	.71	.69	0	.79	1.42	.52	.88	.72	.42	1.42	.59	4.47
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	.57	0	0	0	.26	.12	.22	.57	1.86	1.42
SOT	1.56	1.25	2.29	2.37	1.22	2.50	1.05	1.75	.62	1.45	.35	7.48
ZOOL	0	0	0	.49	0	.42	.35	.18	.23	.49	1.27	2.09
H ED	1.13	1.11	1.58	.49	.61	2.08	2.28	1.33	.69	1.79	.52	5.10
PE	3.82	1.94	1.86	2.17	2.64	4.06	3.42	2.85	.92	2.20	.32	8.22

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0555 SOCIAL WELFARE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	1.01	.76	3.69	1.42	1.51	2.34	3.27	1.94	1.21	3.33	.62	4.24
GEOG	.67	1.43	0	3.15	0	0	0	.75	1.19	3.15	1.59	1.67
HIST	2.85	5.90	8.72	4.42	5.88	1.26	2.18	4.46	2.59	7.47	.58	4.55
PSCT	2.68	1.43	1.34	1.26	1.34	.72	2.91	1.67	.81	2.19	.48	5.48
PSYCH	6.21	12.88	14.26	9.46	10.59	14.03	13.45	11.68	3.11	8.72	.27	9.96
SOC	62.08	44.90	43.12	50.79	49.08	52.52	42.36	49.26	6.95	19.72	.14	19.03
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	0	.54	2.01	0	.50	.54	0	.51	.71	2.01	1.39	1.01
ECON	2.01	.72	2.68	3.15	0	1.44	3.64	1.95	1.32	3.64	.68	3.91
ART	2.01	1.07	2.01	1.89	.50	1.62	2.01	1.72	.77	2.40	.45	5.93
ENGL	3.52	2.15	2.68	2.21	2.35	4.32	4.55	3.11	1.02	2.40	.33	8.11
FREN	0	0	0	0	.67	.72	0	.20	.34	.72	1.71	1.55
GERM	0	0	0	.63	0	0	1.45	.30	.56	1.45	1.89	1.40
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	.63	.67	.72	0	.29	.36	.72	1.25	2.12
SPAN	.67	.89	.84	3.79	2.69	0	1.64	1.50	1.32	3.79	.88	3.02
JN	.67	1.25	.50	1.26	.50	0	.73	.70	.45	1.26	.63	4.18
MUS	1.17	1.25	1.01	.63	.67	1.08	1.45	1.04	.30	.82	.29	9.16
PHTL	2.68	2.86	.67	.63	1.34	1.44	2.91	1.70	1.01	2.28	.56	4.69
SPCH	1.34	3.40	1.85	3.47	2.02	.72	3.09	2.27	1.07	2.75	.47	5.88
THEA	1.17	1.25	1.34	.05	1.01	.36	.55	.95	.37	.98	.39	6.81
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	.36	.05	.14	.36	2.65	1.00
NR	.67	.72	0	0	.67	0	0	.20	.37	.72	1.25	2.12
CON	0	0	.84	1.58	.84	0	0	.47	.63	1.58	1.35	1.05

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0555 SOCIAL WELFARE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	.67	0	0	0	0	.72	.73	.30	.38	.73	1.25	2.12
BIOL	2.01	2.86	2.68	1.89	2.18	1.44	1.45	2.08	.55	1.42	.27	9.94
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	.72	0	1.26	0	0	.73	.39	.51	1.26	1.33	1.99
H EC	2.18	1.61	4.36	3.31	5.38	7.01	5.09	4.14	1.90	5.40	.46	5.76
IA	0	0	0	0	0	.54	0	.08	.20	.54	2.65	1.00
MATH	0	1.61	0	0	0	0	.91	.36	.65	1.61	1.80	1.47
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	2.68	3.04	2.01	.95	1.01	1.80	1.45	1.85	.80	2.09	.43	6.13
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	.50	6.80	1.51	.63	6.89	1.98	1.82	2.88	2.77	6.39	.96	2.75
PE	.50	.36	1.85	.63	1.68	1.80	.36	1.03	.71	1.49	.69	3.83

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0560 SOCIOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	6.43	5.69	11.16	7.14	8.49	8.32	9.71	8.13	1.90	5.47	.23	11.32
GEOG	1.41	.81	1.15	2.86	1.05	.83	1.33	1.35	.70	2.04	.52	5.09
HIST	5.55	4.27	6.54	5.65	3.49	3.88	5.14	4.93	1.09	3.06	.22	11.93
PSCT	3.17	4.88	4.23	3.63	3.42	1.66	2.85	3.41	1.02	3.21	.30	8.80
PSYCH	5.20	6.81	7.99	4.93	6.38	10.67	7.71	7.10	1.95	5.74	.27	9.63
SOC	47.84	43.50	32.44	42.44	36.25	32.43	41.48	39.48	5.90	15.41	.15	17.72
SP H	0	0	0	0	0	0	1.19	.17	.45	1.19	2.65	1.00
BA	.79	1.22	2.31	1.30	.79	1.25	1.43	1.30	.51	1.52	.39	6.73
ECON	1.41	4.47	.77	1.82	2.63	1.39	1.14	1.95	1.26	3.70	.65	4.09
ART	1.32	2.44	1.73	1.36	1.18	1.52	2.00	1.65	.44	1.25	.27	9.88
ENGL	4.85	4.67	7.51	6.10	4.80	4.85	3.57	5.19	1.26	3.94	.24	10.93
FREN	1.32	.30	.87	.91	.26	.14	.19	.57	.46	1.18	.80	3.29
GERM	0	0	.38	.52	.26	0	.57	.25	.25	.57	1.02.	2.61
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.35	0	0	.26	0	0	0	.09	.15	.35	1.74	1.52
SPAN	1.94	1.63	1.35	.71	.26	.21	.95	1.01	.66	1.73	.66	4.01
JN	0	.30	0	.45	.99	.90	.10	.39	.41	.99	1.05	2.51
MUS	3.00	2.64	4.43	4.54	2.76	4.30	2.00	3.38	1.02	2.54	.30	8.75
PHIL	2.47	.81	1.54	2.08	1.32	2.77	1.52	1.79	.69	1.96	.38	6.90
SPCH	3.52	1.42	2.89	2.14	7.30	2.70	3.33	3.33	1.89	5.88	.57	4.66
THEA	.44	1.42	0	.39	1.12	1.73	.57	.81	.63	1.73	.77	3.43
FISH	0	0	.29	0	0	0	0	.04	.11	.29	2.65	1.00
FOR	0	0	.19	0	0	0	0	.03	.07	.19	2.65	1.00
NR	.26	1.83	1.54	0	.26	.28	.33	.64	.72	1.83	1.12	2.35
CCN	.88	.51	.48	.97	.99	.75	0	.60	.37	.99	.62	4.28

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0560 SOCIOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	.13	0	0	.02	.05	.13	2.65	1.00
ASTR	.35	0	0	.78	0	.55	.19	.27	.31	.78	1.15	2.30
BIOL	0	1.22	1.54	.26	2.11	2.29	1.52	1.28	.97	2.29	.68	3.90
BOT	0	0	0	0	.33	0	0	.05	.12	.33	2.65	1.00
CHEM	0	0	0	0	0	.35	.19	.08	.14	.35	1.81	1.46
ENGR	0	0	0	.06	0	0	0	.01	.02	.06	2.65	1.00
GEOL	2.29	0	.38	.52	.26	.55	.19	.60	.77	2.29	1.28	2.06
H EC	.97	2.24	2.21	1.23	2.04	2.15	2.14	1.85	.52	1.27	.28	9.36
IA	0	.30	0	0	.20	.40	.33	.19	.20	.49	1.04	2.55
MATH	.88	1.02	.48	1.95	3.75	5.75	1.67	2.21	1.89	5.27	.85	3.10
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	1.85	2.74	.87	1.56	1.45	1.80	2.85	1.87	.71	1.99	.38	6.99
ZOOL	0	.30	.48	0	.53	.35	.19	.26	.21	.53	.80	3.30
H ED	.44	2.03	1.35	.58	1.84	1.39	1.28	1.27	.59	1.59	.46	5.71
PE	1.06	.51	2.89	2.86	3.36	4.16	2.33	2.45	1.28	3.65	.52	5.07

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0602 PRE-MEDICAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	0	0	0	0	0	0	0	0	0
GEOG	0	0	0	2.03	0	0	0	.51	1.02	2.03	2.00	1.00
HIST	0	0	0	7.11	2.17	1.46	0	2.94	3.07	7.11	1.04	1.01
PSCI	0	0	0	0	8.47	7.80	0	4.07	4.70	8.47	1.16	1.73
PSYCH	0	0	0	2.03	5.82	8.20	6.70	5.71	2.66	6.26	.47	4.30
SOC	0	0	0	7.11	6.35	6.83	0	5.07	3.40	7.11	.67	2.99
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	0	0	0	1.02	0	0	0	.25	.51	1.02	2.00	1.00
ECON	0	0	0	2.03	0	3.90	4.47	2.60	2.02	4.47	.78	2.57
ART	0	0	0	0	0	0	5.03	1.26	2.51	5.03	2.00	1.00
ENGL	0	0	0	5.08	7.41	4.88	7.26	6.16	1.37	2.53	.22	9.02
FREN	0	0	0	0	0	0	2.23	.56	1.12	2.23	2.00	1.00
GERM	0	0	0	7.11	2.12	1.95	2.23	3.35	2.51	5.16	.75	2.68
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	1.52	1.59	0	0	.78	.90	1.59	1.16	1.73
MUS	0	0	0	4.06	2.17	.98	1.68	2.47	1.40	3.09	.57	3.53
PHIL	0	0	0	2.03	0	1.95	8.94	3.23	3.92	8.94	1.21	1.65
SPCH	0	0	0	2.03	.53	4.88	6.70	3.54	2.78	6.17	.79	2.55
THEA	0	0	0	2.03	1.59	0	0	.90	1.06	2.03	1.17	1.71
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NP	0	0	0	0	2.12	1.95	0	1.02	1.19	2.12	1.16	1.73
OCN	0	0	0	5.08	2.12	6.34	0	3.38	2.97	6.34	.85	2.36

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0602 PRE-MEDICAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
HM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	0	0	0	0	2.12	7.80	6.70	4.16	3.71	7.80	.89	2.24
BOT	0	0	0	2.54	10.58	4.88	2.79	5.20	3.74	8.04	.72	2.78
CHEM	0	0	0	12.69	10.05	4.88	17.88	11.37	5.41	13.00	.48	4.20
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	2.03	2.12	0	0	1.04	1.20	2.12	1.16	1.73
H EC	0	0	0	0	0	0	1.68	.42	.84	1.68	2.00	1.00
IA	0	0	0	0	1.59	1.46	0	.76	.88	1.59	1.16	1.73
MATH	0	0	0	15.23	10.58	14.15	11.17	12.78	2.26	4.65	.18	11.33
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	7.61	6.35	3.00	4.47	5.58	1.71	3.71	.31	6.53
SCT	0	0	0	0	0	1.95	0	.49	.98	1.95	2.00	1.00
ZOOL	0	0	0	7.61	10.05	7.32	8.38	8.34	1.23	2.74	.15	13.61
H ED	0	0	0	1.02	1.06	.98	0	.76	.51	1.06	.67	2.99
PE	0	0	0	1.02	1.06	1.46	1.68	1.30	.32	.66	.25	8.14

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0621 BIOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	4.75	5.38	7.34	6.22	4.47	6.54	4.34	5.58	1.15	3.00	.21	12.84
GEOG	.84	.40	1.05	.50	.54	.68	.93	.70	.24	.65	.35	7.66
HIST	2.84	2.64	2.75	3.31	2.76	1.86	2.37	2.65	.45	1.45	.17	15.68
PSCI	1.91	2.11	1.57	1.79	1.18	.90	2.42	1.70	.53	1.51	.31	8.54
PSYCH	2.03	2.28	2.30	2.81	3.21	2.90	4.34	2.84	.78	2.31	.28	9.62
SOC	2.39	2.58	2.49	2.64	2.94	2.71	3.27	2.72	.30	.88	.11	23.87
SP H	0	0	0	0	0	0	.21	.03	.08	.21	2.65	1.00
BA	.36	1.02	1.74	.82	1.36	1.30	.86	1.07	.45	1.38	.42	6.31
ECON	.72	2.38	2.23	1.89	1.71	1.13	1.58	1.66	.59	1.66	.35	7.48
ART	1.44	1.59	1.28	1.54	1.66	1.80	1.76	1.58	.18	.53	.12	22.70
ENGL	5.56	4.46	3.44	4.80	3.77	2.96	4.25	4.18	.87	2.60	.21	12.65
FREN	.45	.40	.30	.37	.43	.34	1.18	.51	.30	.85	.59	4.49
GERM	.84	.53	.30	.87	.80	.65	.70	.67	.20	.58	.30	8.70
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.57	.50	.36	.30	.32	.11	.42	.37	.15	.46	.40	6.59
SPAN	.42	.30	.30	.80	.80	.45	.53	.51	.21	.51	.41	6.39
JN	.54	.40	.36	.12	.13	0	.09	.24	.20	.54	.84	3.17
MUS	1.85	1.09	1.38	1.50	1.74	2.34	2.11	1.73	.43	1.25	.25	10.75
PHTL	1.44	.66	.52	1.89	1.71	1.35	1.11	1.24	.51	1.37	.41	6.44
SPCH	1.35	1.52	2.20	1.54	1.42	2.17	2.48	1.81	.46	1.14	.25	10.46
THEA	.66	.92	1.18	.52	.56	.70	1.25	.93	.30	.73	.36	7.43
FISH	.57	1.12	1.18	1.17	1.07	.68	1.56	1.05	.33	.99	.32	8.34
FOR	.06	.33	.16	0	.37	0	.07	.14	.15	.37	1.08	2.45
NR	1.05	1.88	2.30	1.54	1.85	2.42	3.09	2.02	.66	2.04	.33	8.10
OCN	2.42	3.80	3.11	3.56	2.30	2.85	.95	2.71	.95	2.85	.35	7.55

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0621 BIOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	.59	0	0	.20	.09	.13	.22	.59	1.73	1.53
WM	0	0	0	0	.08	0	0	.01	.03	.08	2.65	1.00
WLDM	.39	.59	1.34	.45	.29	.54	.67	.61	.35	1.05	.57	4.66
ASTR	0	0	0	.10	0	.11	.28	.07	.10	.28	1.49	1.77
BIOL	12.98	10.24	6.66	9.21	8.83	10.40	6.94	9.32	2.18	6.32	.23	11.34
BOT	12.95	10.70	15.21	11.91	10.81	14.72	9.01	12.19	2.25	6.20	.18	14.32
CHEM	9.63	13.01	12.23	6.97	9.69	8.18	8.17	9.70	2.22	6.04	.23	11.58
ENGR	0	.13	0	0	0	0	0	.02	.05	.13	2.65	1.00
GEOL	.48	.99	1.05	1.00	1.47	.79	1.21	1.00	.31	.99	.31	8.46
H EC	.33	.13	.26	.05	.16	.14	.33	.20	.11	.28	.53	4.96
IA	.09	.13	.13	.15	.13	.37	.46	.21	.14	.37	.69	3.83
MATH	7.12	3.53	3.61	7.59	6.85	5.36	6.46	5.70	1.66	4.06	.29	9.20
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	2.48	3.86	1.70	2.74	4.28	3.69	3.51	3.18	.90	2.58	.28	9.31
SCI	.03	.13	.30	.30	.27	2.14	.37	.51	.73	2.11	1.45	1.83
ZOOL	15.61	14.96	13.64	15.51	16.16	12.15	16.59	14.94	1.55	4.43	.10	25.49
H ED	.96	1.35	.95	1.54	.72	.87	1.07	1.07	.29	.82	.27	9.87
PE	1.91	1.95	2.79	1.87	3.13	3.50	2.95	2.53	.66	1.63	.26	10.07

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0642 BOTANY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	.83	2.35	7.52	8.97	7.39	0	3.87	3.94	8.97	1.02	2.59
GEOG	0	1.67	0	0	0	0	0	.24	.63	1.67	2.65	1.00
HIST	1.67	0	1.41	3.01	0	1.48	2.52	1.44	1.14	3.01	.79	3.34
PSCI	0	0	1.88	3.01	1.79	0	2.52	1.31	1.29	3.01	.98	2.69
PSYCH	3.35	5.00	8.92	0	1.79	1.97	2.52	3.36	2.89	8.92	.86	3.08
SOC	0	9.17	5.63	3.01	5.38	2.96	3.14	4.18	2.88	9.17	.69	3.84
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	2.51	2.50	4.23	5.64	0	0	3.14	2.57	2.07	5.64	.80	3.29
ECON	5.02	1.67	5.63	3.01	1.79	1.97	2.52	3.09	1.61	3.97	.52	5.08
ART	0	0	1.41	1.13	8.07	15.27	15.09	5.85	6.95	15.27	1.19	2.23
ENGL	2.09	2.08	4.69	3.76	0	3.94	3.14	2.82	1.57	4.69	.56	4.75
FREN	0	0	0	1.50	1.79	0	0	.47	.91	1.79	1.72	1.54
GERM	0	0	0	1.50	0	0	0	.21	.57	1.50	2.65	1.00
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	.42	2.82	1.50	.90	1.48	4.40	1.64	1.52	4.40	.92	2.87
PHIL	0	0	1.88	3.01	0	3.94	0	1.26	1.68	3.94	1.33	1.98
SPCH	5.44	3.33	0	5.64	1.79	0	2.52	2.67	2.31	5.64	.86	3.07
THEA	.84	0	0	0	0	0	0	.12	.32	.84	2.65	1.00
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	1.26	1.25	0	0	0	1.48	0	.57	.71	1.48	1.25	2.11
NR	0	0	0	0	3.14	1.48	1.89	.93	1.26	3.14	1.36	1.95
OCN	2.09	0	0	0	0	2.46	0	.65	1.12	2.46	1.72	1.54

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0542 BOTANY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	1.50	0	1.97	0	.50	.86	1.97	1.73	1.53
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	.84	0	3.76	0	1.35	0	0	.85	1.39	3.76	1.64	1.62
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	13.81	9.58	3.76	4.14	4.48	3.94	10.06	7.11	4.02	10.05	.56	4.69
BOT	33.89	39.17	24.41	21.80	19.28	17.24	17.61	24.77	8.54	21.93	.34	7.68
CHEM	8.37	8.33	2.35	5.64	19.73	6.90	3.14	7.78	5.77	17.38	.74	3.57
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	1.41	0	1.35	0	0	.39	.67	1.41	1.71	1.55
IA	0	0	0	0	0	1.48	0	.21	.56	1.48	2.65	1.00
MATH	7.53	9.58	8.45	7.52	8.97	4.93	9.43	8.06	1.61	4.66	.20	13.23
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	5.02	3.75	3.29	1.13	0	0	0	1.88	2.10	5.02	1.12	2.37
SCI	0	0	0	.75	0	.99	1.26	.43	.55	1.26	1.29	2.05
ZOOL	6.28	1.67	11.74	12.41	8.52	16.75	15.09	10.35	5.24	15.08	.51	5.22
H ED	0	0	0	1.50	.90	0	0	.34	.61	1.50	1.78	1.48
PE	0	0	0	.38	0	0	0	.05	.14	.38	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0643 ZOOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.10	.65	.93	0	.67	1.34	2.85	.93	.96	2.85	1.03	2.57
GEOG	1.94	.43	.93	.78	.90	.49	0	.78	.61	1.94	.77	3.41
HIST	1.26	2.27	1.98	3.04	4.37	1.09	2.85	2.41	1.13	3.27	.47	5.64
PSCI	1.17	2.60	.93	1.57	.90	2.43	2.44	1.72	.76	1.70	.44	6.01
PSYCH	1.84	2.60	3.37	3.92	2.80	5.35	3.07	3.41	1.14	3.51	.34	7.89
SOC	1.94	2.16	1.63	.39	2.24	3.89	2.64	2.13	1.06	3.50	.50	5.33
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	.29	.76	1.40	.59	1.57	1.09	.20	.84	.53	1.36	.63	4.21
ECON	1.17	2.16	1.86	.39	1.34	1.95	2.44	1.62	.70	2.05	.43	6.12
ART	1.46	1.84	1.05	2.65	2.35	.36	1.22	1.56	.79	2.28	.50	5.26
ENGL	4.17	1.95	2.09	5.20	3.70	2.55	2.95	3.23	1.19	3.25	.37	7.20
FREN	0	0	0	1.57	1.12	1.22	.81	.67	.67	1.57	.99	2.67
GERM	2.23	1.62	1.05	1.18	.90	.97	1.22	1.31	.47	1.34	.36	7.36
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.68	.76	.81	1.08	1.23	.85	.31	.82	.30	.93	.36	7.30
SPAN	0	0	0	0	.45	0	.41	.12	.21	.45	1.71	1.55
JN	0	0	0	0	.56	0	.41	.14	.24	.56	1.74	1.52
MUS	2.04	1.95	1.86	2.25	3.25	3.77	2.14	2.47	.74	1.91	.30	8.82
PHIL	2.33	1.30	1.40	1.57	.90	1.95	2.85	1.75	.67	1.95	.38	6.96
SPCH	2.72	3.35	2.67	2.94	2.24	3.28	2.44	2.81	.41	1.12	.15	17.95
THEA	0	.76	0	.39	.67	.85	1.02	.53	.41	1.02	.77	3.43
FISH	1.55	0	.70	2.75	.34	.73	1.32	1.05	.92	2.75	.87	3.05
FOR	.68	0	0	0	0	.24	0	.13	.26	.68	1.96	1.35
NR	3.01	2.49	3.02	.69	.45	.49	1.63	1.68	1.17	2.58	.69	3.81
OCN	4.17	3.79	5.00	3.53	5.49	4.01	1.83	3.97	1.17	3.66	.29	8.99

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0543 ZOOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	.81	.39	0	0	.81	.29	.79	.81	1.34	1.98
WM	0	0	0	0	0	0	.31	.04	.12	.31	2.65	1.00
WLDM	.29	1.19	.70	1.37	.67	.24	.20	.67	.47	1.17	.70	3.78
ASTR	.39	0	0	0	0	0	0	.06	.15	.39	2.65	1.00
BIOL	12.52	8.33	7.67	9.80	7.47	6.33	8.95	8.16	2.83	9.05	.35	7.63
BOT	7.38	9.85	10.00	5.78	4.70	6.93	5.80	7.21	2.05	5.30	.28	9.31
CHEM	7.77	10.61	12.79	10.20	12.09	9.73	9.16	10.33	1.71	5.02	.17	15.98
ENGR	0	0	0	0	0	0	.81	.12	.31	.81	2.65	1.00
GEOL	.39	.43	.93	.78	1.34	.97	.81	.81	.33	.96	.41	6.52
H EC	0	0	0	.39	1.01	.61	.31	.33	.38	1.01	1.15	2.30
IA	.19	.32	0	.29	.34	.73	0	.27	.25	.73	.93	2.86
MATH	9.71	4.33	6.98	14.22	10.75	10.46	7.63	9.15	3.18	9.89	.35	7.62
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	2.72	4.87	2.67	3.14	5.04	3.65	3.56	3.79	1.20	3.26	.32	8.35
SCI	0	.43	1.28	.20	.45	2.19	.41	.71	.77	2.19	1.08	2.44
ZOOL	22.04	22.51	19.77	17.63	18.25	15.94	20.14	18.90	3.22	8.88	.17	15.53
H ED	.78	1.52	.35	1.86	1.23	.97	.61	1.05	.53	1.51	.51	5.24
PE	1.07	2.16	3.37	1.47	1.34	2.31	2.54	2.04	.80	2.30	.39	6.72

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0650 PHYSICAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	1.18	0	23.33	0	0	5.56	4.30	8.64	23.33	2.01	1.32
GEOG	0	0	0	13.33	0	0	0	1.90	5.04	13.33	2.65	1.00
HIST	3.76	4.71	0	0	0	0	5.56	2.00	2.55	5.56	1.27	2.08
PSCI	0	0	5.50	0	0	0	5.56	1.59	2.72	5.59	1.71	1.55
PSYCH	1.61	4.71	4.90	0	0	0	11.11	3.19	4.10	11.11	1.29	2.06
SOC	0	3.53	2.80	6.67	0	0	0	1.86	2.50	6.67	1.40	1.89
SP H	0	0	0	0	0	0	0	0	0	0	0	0
RA	0	0	0	0	0	0	0	0	0	0	0	0
ECON	0	0.41	2.80	0	0	0	0	1.74	3.54	0.41	2.03	1.30
ART	4.84	1.76	0	0	0	0	0	.94	1.94	4.84	1.95	1.36
ENGL	4.30	0	2.10	16.67	14.29	0	0	5.34	7.14	16.67	1.34	1.98
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	8.60	11.18	11.89	0	0	0	0	4.52	5.73	11.89	1.27	2.09
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	2.78	.40	1.05	2.78	2.65	1.00
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	0	6.29	0	0	0	1.39	1.10	2.35	6.29	2.14	1.24
PHIL	2.15	0	0	0	0	0	5.56	1.10	2.12	5.56	1.93	1.37
SPCH	6.45	0	0	0	3.57	0	5.56	2.23	2.90	6.45	1.30	2.03
THEA	0	.59	0	0	10.71	0	0	1.61	4.02	10.71	2.49	1.06
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NP	3.76	2.35	0	13.33	0	0	0	2.78	4.89	13.33	1.76	1.50
OCN	0	0	3.50	0	0	0	0	.50	1.32	3.50	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0560 PHYSICAL SCIENCE
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
BM	0	0	0	0	0	0	0	0	0	0	0	0
BLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	10.75	2.35	5.59	0	0	28.57	0	6.75	10.40	28.57	1.54	1.72
BOT	2.69	0	0	0	0	0	0	.38	1.02	2.69	2.65	1.00
CHEM	24.19	23.53	20.37	0	17.86	0	16.67	15.95	11.68	29.37	.73	3.61
ENGR	1.61	1.76	0	0	0	0	0	.48	.83	1.76	1.71	1.55
GEOL	0	0	0	0	0	0	11.11	1.59	4.20	11.11	2.65	1.00
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	0	1.76	0	0	0	0	0	.25	.67	1.76	2.65	1.00
MATH	9.68	8.82	6.99	0	10.71	0	6.04	6.16	4.42	10.71	.72	3.69
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	6.45	8.82	5.59	26.67	42.86	57.14	19.44	23.85	19.83	51.55	.83	3.18
SCI	0	0	1.40	0	0	14.29	2.78	2.64	5.25	14.29	1.99	1.33
ZOOL	9.06	11.18	6.99	0	0	0	0	3.75	4.84	11.18	1.29	2.05
H EC	0	1.18	2.80	0	0	0	0	.57	1.08	2.80	1.90	1.40
PE	1.08	1.18	1.40	0	0	0	0	.52	.66	1.40	1.26	2.10

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0661 CHEMISTRY, AB
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	14.29	27.91	0	0	0	0	6.03	11.02	27.91	1.83	1.45
GEOG	0	6.35	0	0	0	0	0	.91	2.40	6.35	2.65	1.00
HIST	0	0	0	2.19	8.37	3.79	1.75	2.30	3.04	8.37	1.32	2.00
PSCI	0	0	0	0	0	3.79	0	.54	1.43	3.79	2.65	1.00
PSYCH	0	0	0	0	0	3.79	1.75	.79	1.47	3.79	1.86	1.42
SOC	0	0	0	4.37	0	1.90	5.24	1.64	2.28	5.24	1.39	1.91
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	0	0	0	0	0	1.42	0	.20	.54	1.42	2.65	1.00
ECON	0	0	0	2.19	0	1.90	5.24	1.37	1.98	5.24	1.48	1.78
ART	0	0	0	1.64	8.87	7.11	1.31	2.70	3.71	8.87	1.37	1.93
ENGL	0	0	0	6.56	1.48	3.32	0	1.62	2.51	6.56	1.55	1.71
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	0	0	0	8.74	3.04	1.90	5.24	2.93	3.34	8.74	1.18	2.24
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	1.75	.25	.66	1.75	2.65	1.00
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	0	0	1.00	1.97	.95	.87	.70	.74	1.97	1.07	2.48
PHIL	0	0	0	2.19	3.94	3.79	3.49	1.92	1.89	3.94	.98	2.70
SPCH	0	0	0	0	0	0	3.49	.50	1.32	3.49	2.65	1.00
THEA	0	7.94	6.98	0	0	0	1.31	2.32	3.55	7.94	1.53	1.73
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	0	0	0	0	0	0
OCN	0	0	0	0	2.46	0	0	.35	.93	2.46	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0661 CHEMISTRY, AB
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTP	0	0	0	0	0	0	1.75	.25	.66	1.75	2.65	1.00
BIOL	0	0	9.30	2.19	1.97	0	3.49	2.42	3.33	9.30	1.37	1.93
BOT	0	0	11.63	0	2.46	0	0	2.01	4.34	11.63	2.16	1.23
CHEM	51.35	41.27	23.26	37.16	33.50	30.33	17.47	33.48	11.29	33.88	.34	7.85
ENGR	0	0	0	0	0	1.90	5.24	1.02	1.99	5.24	1.95	1.35
GEOL	0	0	0	0	0	0	1.75	.25	.66	1.75	2.65	1.00
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	1.42	2.62	.58	1.05	2.62	1.81	1.46
MATH	27.03	15.87	11.63	21.86	12.81	15.17	22.27	18.09	5.70	15.40	.31	8.40
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	21.62	6.75	9.30	8.74	11.82	11.37	11.35	11.51	4.86	15.27	.42	6.27
SCI	0	0	0	0	0	2.84	.87	.53	1.07	2.84	2.02	1.31
SOCL	0	7.04	0	0	0	0	0	1.13	3.00	7.94	2.65	1.00
H ED	0	0	0	0	2.96	0	1.75	.67	1.20	2.96	1.79	1.48
PE	0	0	0	1.09	3.45	3.32	0	1.12	1.60	3.45	1.42	1.86

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0662 CHEMISTRY, BS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	2.56	3.43	3.93	1.22	1.26	4.00	1.64	2.58	1.23	2.78	.48	5.55
GEOG	0	0	2.25	0	0	0	0	.32	.85	2.25	2.65	1.00
HIST	1.71	2.29	0	2.44	1.89	0	1.64	1.42	1.01	2.44	.71	3.71
PSCT	0	0	0	0	2.52	0	1.64	.59	1.04	2.52	1.76	1.50
PSYCH	1.28	4.00	0	3.66	9.43	10.00	6.56	4.99	3.85	10.00	.77	3.43
SOC	3.42	0	0	0	7.55	0	1.64	1.80	2.85	7.55	1.58	1.67
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.28	0	0	0	0	0	1.23	.36	.61	1.28	1.71	1.55
ECON	1.71	0	0	0	0	0	1.64	.48	.82	1.71	1.71	1.55
ART	0	1.71	1.69	1.83	0	2.00	4.92	1.74	1.64	4.92	.95	2.79
ENGL	5.98	0	8.43	2.44	0	4.67	5.33	3.83	3.16	8.43	.82	3.21
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	1.71	2.29	2.81	7.32	7.55	8.00	4.92	4.94	2.70	6.29	.55	4.84
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	2.29	2.25	1.83	1.26	1.73	0	1.28	.96	2.29	.75	3.53
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	.57	0	4.27	2.52	2.67	3.69	1.96	1.77	4.27	.90	2.93
PHIL	0	0	2.25	7.32	0	0	3.28	1.83	2.76	7.32	1.51	1.76
SPCH	0	2.29	0	2.44	.63	0	0	.76	1.12	2.44	1.46	1.81
THEA	0	1.71	0	0	0	0	.82	.36	.67	1.71	1.85	1.43
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	1.64	.23	.62	1.64	2.65	1.00
CCN	0	0	2.81	0	3.14	2.67	0	1.23	1.54	3.14	1.25	2.11

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0662 CHEMISTRY, BS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	1.33	0	.19	.50	1.33	2.65	1.00
ASTR	0	9.14	0	9.76	0	0	0	3.31	4.31	9.76	1.30	2.03
BIOL	0	2.86	2.81	0	0	2.67	1.64	.81	1.38	2.86	1.71	1.55
BOT	38.80	36.00	42.13	31.71	20.56	28.67	0	32.14	7.34	24.10	.25	10.71
CHEM	0	0	0	.61	0	0	18.03	.00	.23	.61	2.65	1.00
ENGR	0	0	0	0	2.52	0	0	1.06	1.94	4.92	1.83	1.45
GEOL	0	0	1.12	0	0	0	4.92	.16	.42	1.12	2.65	1.00
H EC	0	0	0	17.68	20.75	26.00	21.31	.34	.75	2.00	2.17	1.22
IA	23.50	13.71	15.73	0	0	0	0	10.81	4.35	12.20	.22	12.06
MATH	0	0	0	2.44	5.03	2.67	10.66	0	0	0	0	0
NURS	14.06	11.43	11.24	1.22	1.26	0	0	8.34	4.92	12.52	.59	4.49
PHYX	0	0	0	0	0	1.33	.82	.35	.50	1.26	1.71	1.55
SOI	0	5.71	0	0	1.26	0	0	.82	2.16	5.71	2.65	1.00
ZOOL	.85	0	0	0	1.89	0	1.64	.61	.60	1.33	.99	2.69
H EC	2.14	.57	.56	1.83				1.23	.83	2.14	.68	3.91
PE												

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0655 GEOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S.D.	RANGE	COEF OF VARIAT	T CALC
EDUC	.78	4.73	5.80	0	0	0	0	1.56	2.45	5.80	1.57	1.68
GEOG	1.57	4.72	1.37	0	.84	1.01	.81	1.47	1.52	4.72	1.03	2.57
HIST	0	3.15	0	1.28	3.16	.75	4.85	1.88	1.85	4.85	.99	2.68
PSCI	1.57	1.57	0	.73	.84	0	1.62	.90	.72	1.62	.79	3.35
PSYCH	0	0	1.37	2.19	1.69	1.26	0	.93	.32	2.10	.99	2.68
SOC	1.57	0	4.78	1.46	.84	0	.81	1.35	1.63	4.78	1.21	2.19
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.18	0	0	0	4.43	4.02	2.42	1.72	1.93	4.43	1.12	2.36
ECON	1.57	3.15	2.73	.73	0	0	1.62	1.40	1.24	3.15	.89	2.98
ART	2.75	1.18	1.02	1.09	1.00	2.26	4.85	2.00	1.34	3.82	.64	4.15
ENGL	3.93	5.91	2.76	3.10	4.22	3.52	6.26	4.10	1.43	3.87	.34	7.77
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	1.57	1.57	1.37	.73	1.69	1.26	0	1.17	.51	1.69	.52	5.11
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	.81	.12	.31	.81	2.65	1.00
SPAN	0	0	0	0	0	0	.81	.12	.31	.81	2.65	1.00
JN	.78	.79	2.05	0	0	0	0	.52	.77	2.05	1.49	1.78
MUS	2.75	3.15	3.75	2.19	2.11	1.76	3.64	2.76	.79	2.00	.29	9.35
PHIL	0	0	2.77	0	.84	1.01	.81	.77	.97	2.73	1.25	2.00
SPCH	4.71	0	1.37	1.64	.21	0	0	1.13	1.72	4.71	1.52	1.74
THEA	.78	.79	.68	0	1.48	.75	.40	.70	.45	1.48	.64	4.13
FISH	0	0	0	.73	0	0	0	.10	.28	.73	2.65	1.00
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NP	0	0	0	1.28	1.69	0	1.21	.60	.76	1.69	1.27	2.08
OCN	5.88	1.19	4.10	4.37	3.16	3.52	2.02	3.46	1.55	4.70	.45	5.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0665 GEOLOGY
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	.73	0	0	0	.10	.28	.73	2.65	1.00
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	1.01	0	.14	.38	1.01	2.65	1.00
BIOL	1.57	1.57	1.37	1.46	2.53	3.02	.81	1.76	.75	2.21	.43	6.19
BOT	0	0	0	.91	0	2.26	0	.45	.87	2.26	1.91	1.38
CHEM	7.84	5.91	12.97	7.65	6.33	5.78	7.68	7.74	2.47	7.19	.32	8.29
ENGR	0	0	0	0	0	0	1.41	.20	.53	1.41	2.65	1.00
GEOL	35.29	42.13	29.01	41.35	36.29	40.45	36.36	37.27	4.55	13.12	.12	21.67
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	1.18	0	0	0	1.27	1.51	2.83	.97	1.06	2.83	1.09	2.43
MATH	20.78	15.75	18.09	19.03	11.60	12.06	10.51	15.26	3.93	10.28	.26	10.27
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	1.57	1.37	7.29	7.59	8.04	4.85	4.39	3.38	8.04	.77	3.43
SCI	0	.79	0	0	1.27	2.01	1.62	.76	.86	2.01	1.14	2.33
ZOOL	0	0	0	0	1.90	2.51	0	.63	1.09	2.51	1.73	1.53
H ED	1.57	.79	0	.73	.84	0	.61	.65	.54	1.57	.83	3.17
PE	.78	.39	1.71	.36	1.27	.25	.40	.74	.55	1.46	.75	3.54

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0666 MATHEMATICS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	1.74	2.47	4.12	3.85	4.96	9.24	2.77	4.17	2.49	7.51	.60	4.42
GEOG	.87	.45	.94	.42	.43	0	.34	.49	.32	.94	.65	4.04
HIST	3.36	4.84	5.30	4.48	2.05	.90	3.70	3.52	1.58	4.40	.45	5.91
PSCI	1.74	4.50	2.83	2.08	2.16	.90	3.03	2.46	1.14	3.60	.46	5.71
PSYCH	3.58	4.39	1.88	3.44	4.20	1.24	5.21	3.42	1.41	3.97	.41	6.43
SOC	3.25	4.27	4.00	.83	.43	2.71	2.86	2.62	1.48	3.84	.56	4.70
SP H	0	0	0	0	0	0	.67	.10	.25	.67	2.65	1.00
BA	2.39	3.26	4.59	4.27	4.09	3.72	3.53	3.69	.73	2.21	.20	13.33
ECON	3.90	3.15	2.87	2.92	4.31	2.93	4.03	3.44	.62	1.48	.18	14.64
ART	1.63	.90	2.83	1.88	.97	.68	.84	1.39	.77	2.15	.56	4.75
ENGL	5.75	4.72	8.01	5.10	7.44	4.74	4.87	5.80	1.37	3.20	.24	11.24
FREN	1.84	1.69	.82	.83	.86	.45	.92	1.06	.51	1.30	.48	5.53
GERM	2.60	1.80	1.53	1.25	.86	1.13	2.10	1.61	.60	1.74	.38	7.05
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	.42	.43	0	2.69	.51	.98	2.69	1.95	1.36
SPAN	.43	.90	.47	.52	.97	.45	.67	.63	.22	.54	.35	7.50
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	.87	2.36	3.06	1.77	2.26	1.69	1.60	1.94	.70	2.19	.36	7.40
PHIL	1.30	4.50	2.36	2.92	.86	1.80	3.03	2.39	1.22	3.64	.51	5.18
SPCH	2.71	2.70	1.06	1.67	3.45	2.71	.92	2.17	.96	2.52	.44	5.99
THEA	.22	.67	.59	.63	1.83	1.69	.92	.94	.60	1.61	.64	4.11
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	.42	.32	.90	.34	.28	.33	.90	1.16	2.28
NR	.87	.45	0	.42	.43	0	.34	.36	.30	.87	.83	3.17
OCN	.54	0	1.77	0	.54	.56	0	.49	.63	1.77	1.29	2.06

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0666 MATHEMATICS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	.22	0	0	0	0	0	0	.03	.08	.22	2.65	1.00
ASTR	0	0	0	.42	0	.45	.34	.17	.22	.45	1.26	2.10
BIOL	.43	1.35	2.83	1.25	4.31	1.80	1.68	1.95	1.26	3.88	.65	4.08
BOT	0	0	0	0	0	.56	0	.08	.21	.56	2.65	1.00
CHEM	.87	0	.59	.52	.54	1.69	1.18	.77	.54	1.69	.71	3.75
ENGR	.43	0	0	.21	0	0	.59	.18	.25	.59	1.40	1.89
GEOL	0	.45	0	.83	0	.90	0	.31	.41	.90	1.33	2.00
H EC	0	.34	.59	.21	.22	.34	.76	.35	.25	.76	.72	3.66
IA	.33	.67	.35	.31	.65	1.35	.84	.64	.37	1.04	.58	4.56
MATH	48.81	41.06	36.04	47.60	42.56	44.76	37.48	42.62	4.83	12.76	.11	23.36
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	4.01	2.47	3.30	1.56	2.16	2.25	2.27	2.58	.82	2.45	.32	8.35
SCI	.65	1.12	.59	1.88	1.72	.90	3.19	1.44	.92	2.60	.64	4.13
ZOOL	0	0	0	0	0	1.13	.34	.21	.42	1.13	2.03	1.31
H ED	2.17	1.12	1.53	1.25	.65	1.80	1.68	1.46	.50	1.52	.34	7.73
PE	2.49	3.37	5.18	3.85	3.34	3.61	4.29	3.73	.84	2.69	.23	11.73

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0667 PHYSICS, BS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	1.67	.89	4.35	2.44	8.84	9.66	3.98	3.85	9.66	.97	2.73
GEOG	0	0	2.37	0	0	1.86	1.04	.75	1.02	2.37	1.35	1.96
HIST	4.89	2.22	2.37	1.45	6.50	7.26	6.27	3.85	2.04	5.05	.53	5.00
PSCI	.98	2.22	3.55	2.90	.81	2.33	3.13	2.27	1.05	2.74	.46	5.75
PSYCH	1.71	8.06	4.14	1.45	0	1.86	4.18	3.06	2.66	8.06	.87	3.04
SOC	1.96	3.89	7.10	2.90	0	2.79	2.09	2.96	2.18	7.10	.74	3.59
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	0	2.22	1.78	1.09	0	0	0	.73	.96	2.22	1.33	1.99
ECON	4.89	1.11	4.73	0	0	1.86	1.04	1.95	2.06	4.89	1.06	2.50
ART	2.20	2.50	.89	2.17	2.44	0	.78	1.57	.99	2.50	.63	4.18
ENGL	1.47	5.28	3.55	2.90	2.44	3.72	2.87	3.18	1.19	3.81	.37	7.06
FREN	0	0	0	0	0	0	1.04	.15	.39	1.04	2.65	1.00
GERM	2.93	2.22	2.37	.36	0	0	1.83	1.39	1.23	2.93	.89	2.97
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.73	0	0	0	0	0	1.04	.25	.44	1.04	1.74	1.52
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	1.47	1.39	3.25	2.54	1.22	.93	4.96	2.25	1.45	4.03	.64	4.11
PHIL	.98	1.11	1.18	0	0	0	3.13	.92	1.12	3.13	1.23	2.16
SPCH	1.71	2.22	0	1.45	4.88	1.86	3.39	2.22	1.55	4.88	.70	3.79
THEA	0	1.67	.89	.36	.81	2.79	0	.93	1.01	2.79	1.08	2.45
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	1.63	0	1.04	.38	.67	1.63	1.76	1.50
OCN	.73	.28	0	0	3.66	1.86	0	.93	1.38	3.66	1.48	1.79

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0667 PHYSICS, BS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	0	0	0	0	0	0	0	0	0	0	0
HM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	5.87	3.33	2.37	5.80	1.63	0	0	2.71	2.45	5.87	.90	2.94
BOT	0	0	1.48	0	0	0	1.31	.40	.68	1.48	1.71	1.54
CHEM	11.00	4.17	4.14	10.87	9.35	9.30	7.57	8.06	2.90	6.86	.36	7.35
ENGR	.49	0	0	0	.81	0	0	.19	.33	.81	1.78	1.49
GEOL	0	1.11	1.18	0	0	3.72	2.09	1.16	1.39	3.72	1.19	2.22
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	.98	0	0	1.09	0	2.79	0	.69	1.05	2.79	1.51	1.76
MATH	20.07	19.44	19.23	22.83	24.39	20.00	16.97	21.85	4.38	13.10	.20	13.21
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	22.25	31.94	28.70	31.52	34.15	27.91	21.15	28.23	4.93	13.00	.17	15.15
SOC	0	0	0	1.45	.81	0	0	.32	.58	1.45	1.80	1.47
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	.49	.56	2.37	1.45	1.63	1.86	1.57	1.42	.68	1.88	.48	5.52
PE	2.20	1.39	1.48	1.09	.41	.47	1.83	1.26	.67	1.79	.53	5.03

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0668 PHYSICS, AB
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	8.33	0	6.25	3.06	2.31	5.56	0	3.64	3.19	8.33	.88	3.02
GEOG	0	0	0	0	0	2.02	0	.29	.76	2.02	2.65	1.00
HIST	0	0	0	3.49	1.85	0	3.28	1.27	1.62	3.49	1.32	2.01
PSCT	0	21.62	16.67	1.75	0	0	0	5.72	9.30	21.62	1.63	1.63
PSYCH	6.25	0	0	0	0	0	0	.89	2.36	6.25	2.65	1.00
SOC	0	0	0	1.75	1.85	5.05	4.10	1.82	2.06	5.05	1.13	2.33
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	12.50	16.22	18.75	2.62	6.02	6.06	2.46	9.23	6.58	16.29	.71	3.71
ECON	0	0	8.33	3.49	5.56	0	0	2.48	3.40	8.33	1.37	1.03
ART	0	0	0	0	0	3.03	2.46	.78	1.35	3.03	1.72	1.54
ENGL	0	0	0	3.03	5.56	7.58	11.48	4.08	4.45	11.48	1.09	2.42
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	8.33	0	0	5.24	1.85	0	0	2.20	3.33	8.33	1.51	1.75
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	2.70	0	1.75	0	2.02	0	.92	1.19	2.70	1.28	2.06
PHIL	0	10.81	0	5.24	3.70	4.04	0	3.40	3.95	10.81	1.16	2.28
SPCH	0	0	0	1.75	1.85	4.04	2.46	1.44	1.54	4.04	1.07	2.47
THEA	0	0	0	0	3.24	3.54	0	.97	1.66	3.54	1.71	1.55
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	1.85	0	0	.26	.70	1.85	2.65	1.00
OCN	0	0	0	0	2.31	0	0	.33	.87	2.31	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0668 PHYSICS, AB
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
HM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	2.08	3.28	.76	1.34	3.28	1.77	1.49
BIOL	0	0	8.33	1.75	1.85	0	3.28	2.17	2.99	8.33	1.38	1.92
BOT	0	0	0	0	2.31	0	4.10	.92	1.65	4.10	1.80	1.47
CHEM	10.42	0	0	6.55	2.31	4.55	0	3.40	4.01	10.42	1.18	2.25
ENGR	6.25	0	0	0	0	0	0	.89	2.36	6.25	2.65	1.00
GEOL	0	0	0	0	1.85	0	0	.26	.70	1.85	2.65	1.00
H EC	0	0	0	0	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	1.52	0	.22	.57	1.52	2.65	1.00
MATH	39.58	21.62	39.58	26.64	25.46	21.21	9.84	26.28	10.59	29.75	.40	6.57
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	8.33	21.62	0	28.38	25.00	25.76	46.72	22.26	14.97	46.72	.67	3.93
SCI	0	0	2.08	0	2.78	2.02	4.92	1.69	1.85	4.92	1.09	2.42
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	0	5.41	0	2.62	0	0	1.64	1.38	2.06	5.41	1.49	1.77
PE	0	0	0	0	.46	0	0	.07	.17	.46	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0701 BUSINESS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	7.52	9.23	12.01	19.52	17.29	10.57	2.69	11.26	5.74	16.84	.51	5.10
GEOG	.46	0	.58	.80	2.66	2.95	0	1.06	1.23	2.95	1.15	2.29
HIST	1.59	3.21	5.21	3.19	.67	1.07	1.65	2.50	1.50	4.54	.60	4.40
PSCI	0	2.05	2.89	0	0	0	1.65	.94	1.23	2.89	1.31	2.03
PSYCH	2.05	3.33	3.18	5.58	6.43	4.91	5.17	4.38	1.55	4.38	.35	7.45
SOC	4.33	4.10	.58	0	0	0	.83	1.41	1.95	4.33	1.39	1.91
SP H	0	0	0	0	0	0	1.86	.27	.70	1.86	2.65	1.00
BA	51.82	47.69	47.03	64.94	60.09	59.71	65.70	56.71	7.83	18.67	.14	19.16
ECON	9.57	6.67	7.53	1.59	5.32	1.07	5.79	5.49	2.89	7.97	.53	5.04
ART	1.37	1.92	2.17	0	.67	0	0	.88	.95	2.17	1.08	2.45
ENGL	7.86	1.92	3.76	.80	1.11	6.88	3.10	3.63	2.77	7.06	.76	3.47
FREN	.46	0	.14	.80	0	0	0	.20	.31	.80	1.56	1.69
GERM	0	0	0	0	0	0	.83	.12	.31	.83	2.65	1.00
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	1.71	1.41	0	0	0	0	2.48	.80	1.05	2.48	1.31	2.02
JN	0	0	.43	0	0	0	0	.06	.16	.43	2.65	1.00
MUS	1.71	1.79	2.32	1.00	1.11	1.23	.41	1.37	.62	1.90	.46	5.80
PHIL	.46	.51	1.16	.80	.89	0	0	.54	.44	1.16	.81	3.28
SPCH	2.73	2.69	2.17	0	0	.98	0	1.23	1.28	2.73	1.05	2.53
THEA	0	.51	1.01	0	0	.49	0	.29	.40	1.01	1.38	1.92
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	1.03	.58	0	0	0	0	.23	.41	1.03	1.80	1.47
OCN	0	0	.72	0	0	0	0	.10	.27	.72	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0701 BUSINESS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	1.37	1.54	1.16	0	.89	.98	0	.85	.62	1.54	.73	3.62
BOT	0	.64	0	0	0	0	0	.09	.24	.64	2.65	1.00
CHEM	.46	0	0	0	0	0	0	.07	.17	.46	2.65	1.00
ENGR	0	0	0	.60	0	0	0	.09	.23	.60	2.65	1.00
GEOL	0	0	.58	0	0	0	.83	.20	.35	.83	1.74	1.52
H EC	.80	1.92	.43	0	0	.74	0	.56	.70	1.92	1.25	2.11
IA	.34	1.03	1.01	0	0	0	.62	.43	.46	1.03	1.08	2.44
MATH	0	2.95	1.16	0	1.77	1.23	1.03	1.16	1.02	2.95	.88	3.01
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	1.94	1.54	1.01	0	.44	1.47	2.07	1.21	.77	2.07	.63	4.18
ZOOL	0	0	0	0	0	0	1.03	.15	.39	1.03	2.65	1.00
H EP	.23	.51	0	0	0	1.72	1.24	.53	.69	1.72	1.30	2.03
PE	1.25	1.79	1.16	.40	.67	2.21	1.03	1.22	.62	1.81	.51	5.16

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0715 BUSINESS ADMINISTRA
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	.55	.90	2.08	0	.43	.94	2.51	1.06	.91	2.51	.86	3.08
GEOG	0	.42	.86	.57	.49	.50	.76	.46	.25	.86	.56	4.69
HIST	2.42	2.25	1.70	2.53	2.34	2.36	2.42	2.30	.24	.74	.10	25.46
PSCI	2.48	2.08	2.58	1.17	1.34	1.89	1.33	1.84	.58	1.42	.31	8.44
PSYCH	3.46	4.29	3.73	1.54	2.46	2.71	3.20	3.06	.91	2.76	.30	8.90
SOC	2.22	2.22	1.94	2.16	1.83	2.52	1.45	2.05	.34	1.07	.17	15.75
SP H	0	0	0	0	0	0	.00	.01	.03	.09	2.65	1.00
BA	56.63	55.62	55.71	60.28	58.35	60.62	59.20	58.06	2.10	4.99	.04	73.28
ECON	13.58	14.19	11.06	11.77	12.41	7.08	9.66	11.30	2.43	7.11	.21	12.39
ART	.69	.76	1.08	1.28	1.55	1.82	1.15	1.19	.41	1.14	.34	7.73
ENGL	3.36	3.32	3.00	3.04	2.71	1.70	1.93	2.74	.67	1.66	.24	10.84
FREN	.52	.42	.20	.23	0	0	.24	.24	.19	.52	.81	3.28
GERM	0	0	0	.23	.12	0	0	.05	.09	.23	1.81	1.46
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	.06	0	.01	.02	.06	2.65	1.00
SPAN	.26	.07	.11	.57	.24	.13	.91	.33	.31	.84	.94	2.82
JN	.55	.31	0	.20	0	.22	.19	.21	.19	.55	.91	2.91
MUS	.65	1.21	.93	1.02	.94	1.20	.72	.95	.21	.56	.22	11.84
PHIL	.39	.97	.57	1.59	1.22	1.01	1.21	.99	.41	1.20	.41	6.46
SPCH	2.25	2.70	2.87	2.42	2.62	3.68	3.47	2.86	.53	1.43	.19	14.21
THEA	.98	.69	1.01	1.05	1.49	1.16	.88	1.04	.25	.80	.24	11.03
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	.20	0	.22	0	0	.13	0	.08	.10	.22	1.30	2.04
NR	0	.38	.57	.11	.33	.13	.33	.27	.20	.57	.74	3.59
OCN	0	.52	.36	.57	.46	.16	0	.29	.24	.57	.82	3.23

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0715 BUSINESS ADMINISTRA
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	.06	0	.01	.02	.06	2.65	1.00
ASTP	0	0	0	.27	0	.38	.24	.12	.16	.38	1.31	2.02
BIOL	1.70	1.80	1.44	.68	2.19	1.38	1.69	1.55	.47	1.51	.30	8.81
BOT	0	0	.18	.14	0	0	0	.05	.08	.18	1.72	1.53
CHEM	.29	.17	0	.11	0	0	.12	.10	.11	.29	1.10	2.40
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	.39	.14	.14	.23	.12	.25	.24	.22	.09	.27	.43	6.09
H EC	0	.10	.29	.26	.61	.63	.33	.32	.24	.63	.74	3.56
IA	.10	.07	.14	.23	.18	.28	.85	.26	.27	.78	1.01	2.62
MATH	.98	1.45	1.22	1.14	.88	.79	1.27	1.10	.23	.67	.21	12.46
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	.20	.12	0	0	.05	.09	.20	1.78	1.49
SCI	2.71	1.18	1.97	1.88	2.25	2.06	2.05	2.14	.59	1.78	.27	9.73
ZOOL	0	.17	.54	0	.12	.16	0	.14	.19	.54	1.35	1.96
H EC	1.11	.55	1.33	1.02	.70	.72	.57	.86	.30	.77	.35	7.66
PE	1.53	1.04	1.90	1.56	1.49	2.30	1.39	1.62	.43	1.35	.26	10.02

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0757 OFFICE ADMINISTRATI
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	4.35	.77	4.67	9.09	11.36	4.32	4.52	11.36	1.05	2.53
GEOG	0	0	4.01	1.53	0	0	2.27	1.12	1.58	4.01	1.41	1.88
HIST	2.06	4.36	2.68	1.15	4.00	6.67	4.55	3.64	1.94	5.52	.51	5.24
PSCT	4.12	1.09	4.01	1.53	0	0	0	1.54	1.83	4.12	1.19	2.22
PSYCH	1.03	1.09	11.71	1.53	4.00	4.85	3.98	4.03	3.73	10.67	.93	2.86
SOC	4.12	9.81	2.01	3.83	8.00	6.06	2.27	5.16	2.93	7.80	.57	4.65
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	62.89	59.67	36.12	52.49	58.67	49.70	43.75	51.90	9.55	26.77	.18	14.37
ECON	3.09	4.36	2.68	9.20	2.67	4.85	6.82	4.81	2.43	6.53	.51	5.22
ART	.77	0	2.01	3.45	0	3.64	0	1.41	1.62	3.64	1.15	2.29
ENGL	3.61	3.54	4.68	3.45	6.67	5.45	9.66	5.29	2.26	6.21	.43	6.20
FREN	1.03	1.09	1.34	3.07	0	0	0	.93	1.11	3.07	1.19	2.23
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	1.53	0	0	0	.22	.58	1.53	2.65	1.00
JN	0	.54	0	0	0	0	0	.08	.21	.54	2.65	1.00
MUS	2.06	0	1.34	1.15	0	.61	0	.74	.81	2.06	1.10	2.41
PHIL	1.03	3.27	0	0	2.67	0	0	1.00	1.41	3.27	1.42	1.87
SPCH	1.03	2.18	2.68	1.53	2.67	3.64	0	1.96	1.21	3.64	.62	4.29
THEA	0	.82	2.34	1.15	0	1.82	1.14	1.04	.87	2.34	.84	3.16
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	1.34	3.07	0	0	0	.63	1.18	3.07	1.88	1.41
OCN	0	0	0	0	0	0	0	0	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0757 OFFICE ADMINISTRATI
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	1.34	0	0	0	0	.19	.51	1.34	2.65	1.00
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	6.19	0	4.01	1.53	2.67	0	0	2.06	2.39	6.19	1.16	2.28
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	1.09	0	0	0	0	0	.16	.41	1.09	2.65	1.00
H EC	1.80	2.45	3.01	2.30	0	3.03	4.55	2.45	1.39	4.55	.56	4.68
IA	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	0	0	0	0	0	5.68	.81	2.15	5.68	2.65	1.00
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	1.34	0	0	0	0	.19	.51	1.34	2.65	1.00
SOC	3.61	2.45	3.34	5.36	1.33	0	1.14	2.46	1.91	5.36	.73	3.60
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	0	.54	2.34	0	1.33	0	2.27	.93	1.06	2.34	1.14	2.32
PE	1.55	1.63	1.34	.38	.67	.61	.57	.96	.52	1.25	.54	4.88

HUMPCLOT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0812 FRENCH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	6.45	11.24	8.10	8.40	8.07	8.88	10.72	8.84	1.55	4.79	.19	14.17
GEOG	0	0	0	0	1.04	.93	0	.28	.48	1.04	1.71	1.55
HIST	5.52	4.49	.69	3.60	6.77	3.50	6.33	4.42	2.07	6.08	.47	5.64
PSCT	2.95	3.60	1.85	0	1.04	0	2.11	1.65	1.39	3.60	.84	3.15
PSYCH	2.58	3.15	6.02	4.80	2.60	6.78	3.69	4.23	1.68	4.20	.40	6.68
SOC	5.89	7.64	1.39	2.40	3.13	2.80	1.05	3.47	2.42	6.59	.70	3.80
SP H	0	0	0	0	0	0	0	0	0	0	0	0
PA	0	2.92	4.86	4.20	1.56	4.21	4.75	3.21	1.83	4.86	.57	4.64
ECON	5.89	4.49	0	1.60	1.04	2.80	.70	2.36	2.16	5.89	.91	2.90
ART	2.21	.67	.69	1.20	1.56	1.40	1.58	1.33	.54	1.54	.41	6.53
ENGL	11.05	4.27	14.12	12.60	10.68	11.21	11.78	10.82	3.11	9.85	.29	9.19
FREN	26.34	26.52	29.63	30.20	35.42	31.54	24.78	29.20	3.65	10.64	.13	21.13
GERM	3.68	3.60	4.40	.80	1.04	.93	2.64	2.44	1.51	3.60	.62	4.28
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	3.87	1.57	1.62	.60	.78	.70	.88	1.43	1.15	3.27	.80	3.29
SPAN	2.58	3.15	2.08	4.80	4.95	3.27	4.04	3.55	1.09	2.86	.31	8.64
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	3.87	3.60	3.94	2.40	5.21	5.61	7.21	4.55	1.58	4.81	.35	7.61
PHIL	1.47	0	0	4.00	2.08	2.80	2.11	1.78	1.45	4.00	.81	3.25
SPCH	3.50	5.17	.93	4.00	2.08	1.64	2.11	2.77	1.49	4.24	.54	4.91
THEA	0	.45	.46	2.20	.78	1.40	.35	.81	.75	2.20	.93	2.84
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	4.63	0	0	0	0	.66	1.75	4.63	2.65	1.00
OCN	0	0	1.16	0	0	0	0	.17	.44	1.16	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INCLOED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0812 FRENCH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	.80	0	.93	.70	.35	.44	.93	1.26	2.10
BIOL	2.95	2.70	2.78	1.60	2.08	.93	3.51	2.36	.88	2.58	.37	7.11
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	1.12	1.16	0	0	0	0	.33	.56	1.16	1.71	1.55
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	1.47	.90	.93	.80	0	0	0	.59	.59	1.47	1.00	2.63
H EC	.92	1.57	.69	.40	0	0	2.46	.86	.89	2.46	1.03	2.56
IA	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	1.12	1.16	2.00	1.30	1.17	.88	1.09	.59	2.00	.55	4.85
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	0	0	0	0	0	0	0	0	0	0
SCI	1.84	1.80	3.24	2.80	3.13	4.21	3.16	2.88	.84	2.41	.29	9.02
ZOOL	.74	1.12	0	0	0	0	0	.27	.47	1.12	1.76	1.50
H EC	2.03	1.35	.93	1.60	2.60	.47	.35	1.33	.82	2.25	.62	4.29
PE	2.21	1.80	2.55	2.20	1.04	1.87	2.11	1.97	.48	1.50	.24	10.92

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0813 GERMAN
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	12.50	8.80	0	0	14.44	19.78	25.24	11.54	9.49	25.24	.82	3.22
GEOG	0	0	0	0	0	0	0	0	0	0	0	0
HIST	0	8.80	0	5.93	11.11	7.69	7.77	5.90	4.32	11.11	.73	3.62
PSCI	3.85	0	8.60	3.39	0	0	0	2.26	3.28	8.60	1.45	1.83
PSYCH	2.88	3.20	0	3.39	4.44	0	3.88	2.54	1.81	4.44	.71	3.72
SOC	11.54	4.80	4.30	3.39	4.44	4.40	0	4.70	3.44	11.54	.73	3.61
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	11.54	10.40	9.68	0	0	0	0	4.52	5.66	11.54	1.25	2.11
ECON	0	3.20	4.30	3.39	0	8.79	0	2.81	3.22	8.79	1.14	2.31
ART	2.88	2.40	0	2.54	3.33	3.30	5.83	2.90	1.72	5.83	.59	4.46
ENGL	3.85	12.00	12.90	3.39	14.44	0	2.91	7.07	5.83	14.44	.82	3.21
FREN	0	0	0	0	0	0	3.88	.55	1.47	3.88	2.65	1.00
GERM	30.77	26.40	26.88	37.29	33.33	35.16	18.45	29.75	6.42	18.84	.22	12.26
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	5.60	7.53	0	0	0	2.91	2.29	3.16	7.53	1.38	1.92
SPAN	2.88	0	3.23	0	0	0	0	.87	1.49	3.23	1.71	1.55
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	4.00	1.08	.85	0	3.30	8.74	2.57	3.14	8.74	1.22	2.16
PHIL	0	0	0	3.39	0	4.40	0	1.11	1.92	4.40	1.73	1.53
SPCH	7.69	0	4.30	0	0	0	0	1.71	3.09	7.69	1.80	1.47
THEA	0	4.00	2.15	2.54	0	3.30	0	1.71	1.70	4.00	.99	2.66
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	0	0	0	0	0	0
OCN	0	0	0	4.24	0	0	0	.61	1.50	4.24	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0813 GERMAN
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	0	6.40	4.30	0	0	0	3.88	2.08	2.71	6.40	1.30	2.03
BOT	0	0	0	4.24	0	0	0	.61	1.60	4.24	2.65	1.00
CHEM	4.81	0	0	0	0	0	3.88	1.24	2.14	4.81	1.72	1.54
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	1.69	2.22	3.30	5.83	1.86	2.17	5.83	1.17	2.27
IA	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	0	5.38	11.86	4.44	0	4.85	3.79	4.33	11.86	1.14	2.32
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	3.85	0	0	6.78	0	6.59	0	2.46	3.21	6.78	1.31	2.03
ZOOL	0	0	5.38	0	5.56	0	0	1.56	2.67	5.56	1.71	1.55
H ED	0	0	0	1.69	2.22	0	1.94	.84	1.05	2.22	1.26	2.10
PE	.96	0	0	0	0	0	0	.14	.36	.96	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0816 SPANISH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	18.84	15.31	15.81	20.73	25.96	27.31	19.50	20.49	4.64	12.00	.23	11.70
GEOG	1.11	1.84	.65	.77	1.62	0	2.67	1.24	.88	2.67	.71	3.70
HIST	5.40	5.51	5.32	5.95	4.06	.80	2.67	4.24	1.89	5.15	.44	5.95
PSCI	3.88	3.68	0	0	.81	.80	.67	1.40	1.66	3.88	1.18	2.24
PSYCH	2.08	2.91	4.52	2.88	3.65	4.02	3.67	3.39	.82	2.44	.24	10.95
SOC	2.77	2.14	3.55	2.30	.81	5.22	3.17	2.85	1.36	4.41	.48	5.53
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	.83	0	0	0	0	0	2.00	.40	.77	2.00	1.90	1.39
ECON	2.22	.61	6.45	2.30	0	.80	1.33	1.96	2.15	6.45	1.10	2.41
ART	.42	.92	.48	1.73	3.04	2.01	2.17	1.54	.97	2.63	.63	4.18
ENGL	5.96	9.49	7.90	6.53	6.90	9.04	6.00	7.40	1.44	3.54	.19	13.63
FREN	4.99	3.37	3.06	4.80	3.65	3.21	3.83	3.85	.76	1.92	.20	13.35
GERM	2.77	1.23	1.45	1.92	.61	.60	1.33	1.42	.76	2.17	.54	4.94
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	27.01	31.39	27.74	29.37	30.43	29.52	30.00	29.35	1.52	4.39	.05	51.10
JN	.28	0	0	.38	0	0	.50	.17	.22	.50	1.31	2.03
MUS	4.57	3.37	4.03	4.61	3.04	3.61	2.83	3.72	.71	1.77	.19	13.97
PHIL	.55	.61	.65	.77	3.25	1.61	1.33	1.25	.97	2.69	.77	3.43
SPCH	4.43	3.68	2.42	1.54	.81	0	2.67	2.22	1.56	4.43	.70	3.76
THEA	1.66	1.53	1.61	1.15	1.22	0	.50	1.10	.63	1.66	.57	4.63
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	.55	.61	.65	.77	0	0	1.33	.56	.46	1.33	.83	3.20
OCN	.69	0	0	.96	1.01	0	0	.38	.49	1.01	1.27	2.08

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0816 SPANISH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTE	.55	0	0	0	0	.80	.67	.29	.37	.80	1.27	2.08
BIOL	3.88	1.84	2.58	3.07	.81	1.61	.67	2.06	1.18	3.21	.57	4.63
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	.67	.10	.25	.67	2.65	1.00
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	.61	.65	1.54	.81	.80	.67	.72	.45	1.54	.62	4.26
H EC	.28	1.07	1.29	.59	.41	2.01	3.00	1.27	.98	2.72	.80	3.32
IA	0	0	0	0	0	1.20	0	.17	.46	1.20	2.65	1.00
MATH	.69	5.36	4.03	0	2.03	3.01	.83	2.28	1.96	5.36	.86	3.08
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	0	0	0	0	0	0	0	0	0	0
SCI	1.94	1.07	1.29	2.60	3.25	.40	2.67	1.90	1.03	2.84	.54	4.90
ZOOL	0	0	.81	0	0	0	0	.12	.30	.81	2.65	1.00
H EC	1.11	1.23	2.42	1.54	1.22	1.00	1.00	1.36	.50	1.42	.37	7.16
DE	.55	.61	.65	1.15	.61	.60	1.67	.87	.42	1.11	.50	5.25

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0820 MUSIC
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	12.17	9.14	13.14	12.14	10.75	8.34	7.91	10.51	2.07	5.22	.20	13.44
GEOG	.49	0	.95	.43	1.45	.97	.40	.67	.48	1.45	.72	3.67
HIST	5.11	1.02	4.14	3.30	.97	1.81	1.58	2.56	1.63	4.14	.64	4.15
PSCI	1.95	1.52	2.84	3.83	2.17	2.42	2.37	2.44	.74	2.31	.30	8.77
PSYCH	3.77	3.81	3.31	2.66	1.45	2.90	4.65	3.22	1.02	3.20	.32	8.35
SOC	2.43	2.79	5.44	3.83	5.80	1.93	4.25	3.78	1.49	3.86	.39	6.73
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.46	1.14	2.37	.64	1.57	1.69	.59	1.35	.62	1.77	.46	5.74
ECON	1.46	3.05	.47	2.56	2.90	2.42	2.37	2.18	.91	2.57	.42	6.35
ART	1.46	2.66	5.68	6.18	5.31	4.11	.59	3.71	2.18	5.58	.59	4.50
ENGL	7.30	6.98	3.91	5.75	6.88	5.20	4.25	5.75	1.36	3.39	.24	11.17
FREN	.97	1.02	.47	.85	1.45	.97	.69	.92	.30	.98	.33	8.02
GERM	2.92	2.54	2.01	.53	.49	.48	1.58	1.51	1.03	2.44	.68	3.87
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.49	.51	.47	.43	.48	.48	.59	.49	.05	.17	.10	25.76
SPAN	.97	0	0	1.28	1.69	1.33	.20	.78	.70	1.69	.90	2.94
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	41.12	45.18	42.13	41.21	42.15	46.43	53.01	44.59	4.58	12.79	.10	25.74
PHIL	.49	0	0	1.28	1.93	1.93	1.58	1.03	.86	1.93	.83	3.18
SPCH	1.34	3.43	1.42	1.60	2.54	1.81	1.19	1.90	.80	2.24	.42	6.25
THEA	1.95	1.52	1.54	2.34	3.74	2.42	1.68	2.17	.78	2.22	.36	7.34
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	.25	0	0	0	.24	0	.07	.12	.25	1.71	1.55
NR	0	0	0	0	.48	0	0	.07	.18	.48	2.65	1.00
OCN	.61	.63	1.18	1.06	1.21	1.21	0	.84	.45	1.21	.54	4.91

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0820 MUSIC
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
BM	0	0	0	0	0	0	0	0	0	0	0	0
BLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	.85	0	0	0	.12	.32	.85	2.65	1.00
BIOL	.97	2.54	.95	1.60	.48	1.93	.79	1.32	.73	2.05	.55	4.81
BOT	0	0	.59	.57	0	0	0	.16	.27	.59	1.71	1.55
CHEM	.49	0	0	0	0	0	0	.07	.18	.49	2.65	1.00
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	.51	.47	1.28	0	.48	0	.30	.46	1.28	1.18	2.25
H EC	3.04	2.92	1.18	0	0	.60	.59	1.19	1.29	3.04	1.08	2.45
IA	.36	.76	.36	0	.24	0	.59	.33	.28	.76	.86	3.09
MATH	2.43	.63	0	1.06	.60	1.09	3.06	1.40	1.35	3.96	.97	2.73
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	.36	0	0	0	0	0	0	.05	.14	.36	2.65	1.00
SCI	.24	.80	.71	.85	1.45	4.11	2.77	1.57	1.38	3.87	.87	3.02
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	1.46	1.27	1.66	.43	.72	.48	.20	.89	.57	1.46	.64	4.13
PE	2.19	3.30	2.60	1.49	1.09	2.18	.69	1.93	.90	2.61	.47	5.67

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0825 ART
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	7.81	6.33	9.50	6.14	8.26	6.48	8.78	7.61	1.32	3.36	.17	15.25
GEOG	.56	.25	.25	.78	.22	.69	.98	.55	.30	.76	.55	4.78
HIST	5.94	4.87	3.27	4.30	3.41	2.08	5.04	4.14	1.30	3.85	.31	8.43
PSCT	1.98	2.28	3.52	2.34	1.10	1.16	1.95	2.05	.82	2.42	.40	6.62
PSYCH	2.64	3.61	3.46	3.46	2.59	2.31	4.43	3.21	.74	2.11	.23	11.49
SOC	4.51	4.30	3.27	3.02	3.30	2.66	3.01	3.44	.70	1.85	.20	13.09
SP H	0	0	0	0	0	0	.04	.01	.02	.04	2.65	1.00
PA	0	.57	1.01	.73	1.27	1.56	1.34	.93	.54	1.56	.58	4.57
ECON	1.32	2.03	3.52	1.95	3.08	.93	1.30	2.02	.97	2.60	.48	5.53
ART	42.94	43.99	38.33	49.20	48.65	51.56	46.85	45.93	4.49	13.24	.10	27.04
ENGL	8.03	6.84	7.11	8.34	6.00	8.39	6.50	7.31	.95	2.39	.13	20.45
FRCH	1.04	.95	.69	.83	.22	0	1.22	.71	.44	1.22	.63	4.21
GERM	.37	.38	.19	.24	0	.23	.33	.24	.13	.38	.52	5.10
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	.49	.22	.23	.33	.18	.19	.49	1.05	2.51
SPAN	.60	.70	1.57	1.17	.44	.23	.16	.70	.51	1.41	.73	3.61
JN	.44	.57	0	0	.22	0	0	.18	.24	.57	1.38	1.92
MUS	2.09	1.65	2.33	1.51	1.65	2.08	2.19	1.93	.32	.82	.17	15.99
PHIL	3.52	1.65	3.02	1.76	1.98	2.78	1.95	2.38	.72	1.87	.30	8.70
SPCH	2.20	1.96	3.78	1.66	1.82	.69	2.07	2.02	.93	3.08	.45	5.82
THEA	2.86	5.51	2.85	2.49	3.47	2.72	3.17	3.30	1.02	3.02	.31	8.54
FISH	0	0	0	0	0	.17	0	.02	.07	.17	2.65	1.00
FOR	.11	0	0	0	0	0	0	.02	.04	.11	2.65	1.00
NR	.44	0	.25	0	.39	.46	.16	.24	.20	.46	.81	3.27
OCN	1.10	.32	1.26	.73	.55	1.16	0	.73	.47	1.26	.65	4.10

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0825 ART
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
HM	0	0	0	0	0	0	0	0	0	0	0	0
HLDM	0	0	0	.34	.11	.20	.08	.12	.14	.34	1.22	2.18
ASTR	.22	0	0	0	0	.46	.16	.12	.18	.46	1.46	1.81
BIOL	1.99	.76	2.08	.73	1.76	1.50	2.07	1.55	.59	1.35	.38	6.90
BOT	.27	.89	.31	0	.28	.58	.49	.40	.29	.89	.70	3.79
CHEM	.27	.32	.31	.24	.22	.20	0	.24	.11	.32	.47	5.68
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	.22	.51	.76	.50	1.10	.46	.49	.59	.29	.88	.47	5.63
H EC	.88	1.08	1.45	.29	1.65	.75	.65	.96	.47	1.36	.49	5.44
IA	.33	.19	.31	.63	.33	1.33	.77	.56	.40	1.14	.71	3.71
MATH	.71	1.39	.31	1.07	1.27	.81	.20	.82	.45	1.19	.55	4.81
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	.16	0	0	0	.22	0	0	.06	.10	.22	1.73	1.53
SCI	1.21	1.84	.82	2.05	1.65	1.97	1.63	1.59	.44	1.23	.28	9.60
ZOOL	.77	.89	.94	.24	.50	.20	.20	.55	.32	.74	.58	4.57
H ED	.60	.63	.88	.98	.66	.35	.33	.63	.24	.65	.39	6.86
PE	1.81	2.78	2.58	1.61	1.43	2.31	1.18	1.96	.61	1.61	.31	8.51

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0830 ENGLISH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	10.25	10.00	11.43	11.95	11.55	11.78	11.21	11.17	.75	1.95	.07	30.22
GEOG	.49	.75	.79	.58	1.09	1.07	.48	.75	.25	.61	.34	7.85
HIST	4.20	2.55	1.82	4.83	3.58	3.81	6.40	3.88	1.50	4.59	.39	6.85
PSCT	2.80	1.32	2.94	1.45	1.24	1.68	2.52	1.99	.74	1.70	.37	7.18
PSYCH	4.08	3.73	3.48	2.76	3.62	3.75	6.58	3.94	1.23	3.82	.31	8.47
SOC	3.79	4.25	2.94	3.78	2.96	3.35	3.85	3.56	.49	1.30	.14	19.24
SP H	0	0	0	0	0	0	.42	.06	.16	.42	2.65	1.00
PA	.78	.71	.50	.91	1.05	1.56	.99	.94	.32	.97	.34	7.84
ECON	1.98	2.26	2.04	1.89	1.09	.91	1.32	1.77	.72	2.03	.40	6.55
ART	1.98	2.12	1.62	1.42	2.92	4.61	2.89	2.51	1.09	3.20	.44	6.07
ENGL	37.92	42.36	41.27	45.21	42.59	35.95	35.80	40.16	3.63	9.41	.09	29.24
FREN	4.12	4.15	2.99	2.94	3.03	3.43	2.07	3.25	.73	2.08	.22	11.79
GERM	.66	.75	.64	.98	.78	1.03	.93	.82	.16	.39	.19	13.93
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	.33	.39	.50	.18	.16	.30	.24	.31	.15	.43	.47	5.64
SPAN	3.99	3.73	3.34	2.47	2.14	2.71	1.95	2.90	.79	2.04	.27	9.70
JN	.82	1.04	1.57	.80	.43	.69	.51	.84	.38	1.14	.46	5.79
MUS	2.10	2.97	2.80	3.16	2.96	3.55	2.02	2.92	.44	1.45	.15	17.72
PHIL	2.31	.75	1.57	2.47	1.71	3.81	2.52	2.16	.96	3.06	.44	5.08
SPCH	4.16	2.97	3.04	2.03	5.13	3.05	3.43	3.40	.99	3.10	.29	9.09
THEA	1.03	3.11	3.29	1.71	2.14	3.24	2.58	2.57	.66	1.58	.26	10.35
FISH	0	0	.15	0	0	0	.12	.04	.07	.15	1.72	1.54
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	.59	0	0	0	0	.08	.22	.59	2.65	1.00
CCN	.41	.24	.25	0	.39	.19	0	.21	.16	.41	.78	3.37

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0830 ENGLISH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
PM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	.09	0	.07	0	0	0	.02	.04	.09	1.73	1.53
ASTR	.49	0	0	.15	0	0	.48	.16	.23	.49	1.44	1.84
BIOL	1.81	.75	1.37	1.45	1.09	1.98	1.08	1.36	.43	1.23	.32	8.36
BOT	0	0	.25	0	.35	0	0	.09	.15	.35	1.74	1.52
CHEM	.21	.24	0	0	0	0	.15	.08	.11	.24	1.28	2.06
ENGR	.08	0	0	0	0	0	.45	.08	.17	.45	2.21	1.20
GEOL	.25	1.13	.59	.15	0	.30	0	.35	.40	1.13	1.16	2.28
H EC	.41	.38	1.18	.18	.86	.80	1.14	.71	.39	1.00	.55	4.79
IA	0	0	.59	0	.16	.11	.09	.14	.21	.59	1.55	1.71
MATH	1.89	2.12	.98	1.63	1.79	1.45	1.71	1.65	.36	1.14	.22	12.04
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	1.81	1.04	.93	2.83	1.71	1.98	2.04	1.76	.64	1.90	.37	7.24
ZOOL	.54	0	.69	0	0	0	.15	.20	.29	.69	1.49	1.78
H EC	1.32	1.51	.20	.98	1.21	.57	1.20	1.00	.46	1.31	.46	5.73
PE	2.10	2.59	2.60	1.05	2.29	2.71	1.74	2.16	.59	1.65	.27	9.64

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0835 JOURNALISM
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	4.76	4.12	1.72	2.14	1.49	2.70	0	2.42	1.62	4.76	.67	3.95
GEOG	0	0	3.43	0	0	.83	0	.61	1.28	3.43	2.11	1.26
HIST	10.39	4.53	8.15	5.53	1.70	4.37	1.94	5.23	3.16	8.69	.60	4.38
PSCI	10.39	5.76	3.43	2.14	3.40	4.99	3.87	4.85	2.71	8.25	.56	4.75
PSYCH	0	0	9.87	1.96	7.22	11.64	12.11	6.11	5.38	12.11	.88	3.01
SOC	4.33	8.23	3.43	2.85	3.40	6.24	4.36	4.69	1.91	5.38	.41	6.51
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	1.30	1.23	1.29	.53	1.91	7.28	4.36	2.56	2.41	6.74	.94	2.80
ECON	0	4.94	1.72	4.28	.85	3.33	0	2.16	2.03	4.94	.94	2.81
ART	1.30	2.47	3.86	1.07	1.06	1.46	2.18	1.91	1.02	2.80	.53	4.98
ENGL	11.26	9.47	11.16	6.42	6.58	6.24	.97	7.44	3.60	10.29	.48	5.47
FREN	3.46	1.65	0	.71	0	0	0	.93	1.31	3.46	1.58	1.67
GERM	0	0	0	.71	.85	1.04	1.94	.65	.72	1.94	1.11	2.38
TTAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	1.73	0	0	.71	.85	0	0	.47	.67	1.73	1.42	1.86
SPAN	0	0	0	0	0	0	1.94	.28	.73	1.94	2.65	1.00
JN	26.84	37.86	29.18	54.90	52.44	27.65	39.47	38.34	11.58	28.06	.30	8.76
MUS	1.30	1.65	.43	1.07	1.27	.83	.24	.97	.50	1.40	.52	5.12
PHIL	5.19	1.65	3.43	1.43	1.70	1.66	.97	2.29	1.49	4.23	.65	4.06
SPCH	3.46	2.88	3.00	6.24	1.06	3.12	3.63	3.34	1.53	5.18	.46	5.78
THEA	3.03	3.70	3.43	0	3.82	3.53	3.15	2.95	1.33	3.82	.45	5.86
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	.73	.10	.27	.73	2.65	1.00
OCN	2.16	0	0	.89	0	2.08	0	.73	1.00	2.16	1.37	1.94

HUMPHLOT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0935 JOURNALISM
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S.D.	RANGE	COEF OF VARIAT	T CALC
AM	0	0	0	0	0	0	0	0	0	0	0	0
AH	0	0	0	1.45	0	0	1.45	.21	.55	1.45	3.65	1.00
ALTH	0	0	0	1.45	0	0	.48	.15	.25	.53	1.71	1.55
ASTR	0	0	0	0	1.66	1.94	.51	.88	1.94	1.71	1.54
BIOL	1.73	0	2.43	0	4.25	1.66	2.91	2.00	1.64	4.25	.82	3.23
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	1.21	.17	.46	1.21	2.65	1.00
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	1.71	0	0	.97	.24	.42	.97	1.74	1.52
HIST	0	0	2.58	0	0	2.49	1.45	.93	1.22	2.58	1.31	2.03
IA	0	0	0	0	0	0	.73	.10	.27	.73	2.65	1.00
MATH	2.16	2.88	0	0	0	0	1.21	.78	1.01	2.16	1.31	2.03
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	0	.53	0	0	0	.08	.20	.53	2.65	1.00
SCI	2.64	1.45	2.58	2.65	3.40	2.49	2.91	2.27	1.13	3.40	0.50	5.30
ZOOL	0	0	2.15	0	0	0	0	.31	.81	2.15	2.65	1.00
H ED	.87	3.29	.86	0	.85	1.25	1.45	1.22	1.02	3.29	.83	3.18
PE	1.73	2.88	3.43	1.78	1.01	1.46	1.45	2.09	.76	1.98	.36	7.25

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0842 SPEECH CORRECTION A
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
ENGR	0	4.00	.77	1.32	10.13	8.36	2.13	3.81	3.95	10.13	1.03	2.56
GEOG	0	0	3.08	0	0	1.29	0	.62	1.18	3.08	1.90	1.39
HIST	0	8.00	0	3.96	2.53	1.29	0	2.25	2.95	8.00	1.31	2.02
PSCI	0	0	0	1.32	1.27	2.57	0	.74	1.01	2.57	1.38	1.92
PSYCH	8.70	6.00	12.31	12.87	12.03	0	16.17	9.72	5.37	16.17	.55	4.79
SOC	2.17	1.33	4.62	3.96	2.53	1.29	3.40	2.76	1.28	3.33	.47	5.68
SP H	0	0	0	0	0	0	52.34	7.48	19.78	52.34	2.65	1.00
BA	0	2.00	5.38	.99	0	0	0	1.20	2.00	5.38	1.67	1.58
ECON	4.35	2.67	0	0	1.27	1.29	1.70	1.61	1.53	4.35	.95	2.79
ART	0	0	0	0	0	1.93	0	.28	.73	1.93	2.65	1.00
ENGL	2.72	8.00	6.92	1.32	4.11	2.25	0	3.62	2.93	8.00	.81	3.27
FREN	0	0	0	1.32	0	0	0	.19	.50	1.32	2.65	1.00
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	2.17	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	.31	.82	2.17	2.65	1.00
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	.54	0	3.08	.99	.95	.96	3.40	1.42	1.30	3.40	.91	2.90
PHIL	2.17	0	0	2.64	0	0	0	.69	1.18	2.64	1.72	1.54
SPCH	66.30	55.33	45.38	62.05	57.59	71.38	5.53	51.94	22.09	65.85	.43	6.22
THEA	0	2.00	0	.33	.95	.96	.85	.73	.70	2.00	.96	2.74
FTSH	0	0	0	0	0	0	0	0	0	0	0	0
FOP	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	3.08	0	0	0	0	.44	1.16	3.08	2.65	1.00
OCN	0	0	3.85	0	0	0	0	.55	1.45	3.85	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0942 SPEECH CORRECTION A
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	2.17	0	0	1.32	0	0	0	.50	.89	2.17	1.78	1.49
BIOL	2.17	0	3.08	0	1.27	0	1.70	1.17	1.23	3.08	1.05	2.53
BOT	0	0	0	1.65	0	0	0	.24	.52	1.65	2.65	1.00
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	3.08	0	0	1.29	0	.62	1.18	3.08	1.90	1.39
H EC	1.09	0	0	.99	.95	.64	7.66	1.62	2.70	7.66	1.67	1.58
IA	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	0	0	0	0	0	0	0	0	0	0	0
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCT	2.72	3.33	0	1.32	2.53	1.29	.85	1.72	1.18	3.33	.68	3.86
ZOOL	0	0	3.85	0	0	1.29	0	.73	1.45	3.85	1.98	1.33
H ED	0	5.33	1.54	0	1.27	1.29	0	1.35	1.89	5.33	1.40	1.89
PE	2.72	2.00	0	1.65	.63	.64	4.26	1.70	1.46	4.26	.86	3.08

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0844 SPEECH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	4.96	4.23	5.85	7.97	13.25	13.60	8.51	8.34	3.79	9.36	.46	5.81
GEOG	0	0	1.23	0	0	0	0	.18	.47	1.23	2.65	1.00
HIST	4.66	8.47	7.38	2.83	3.47	4.83	7.09	5.53	2.13	5.64	.39	6.87
PSCI	2.33	3.91	1.23	3.08	5.05	2.72	2.84	3.02	1.20	3.82	.40	6.64
PSYCH	2.04	5.54	3.38	5.91	5.36	4.53	8.87	5.09	2.15	6.82	.42	6.27
SOC	8.16	4.56	7.38	4.63	2.52	0	3.55	4.40	2.79	8.16	.63	4.17
SP H	0	0	0	0	0	0	11.70	1.67	4.42	11.70	2.65	1.00
BA	5.25	.98	5.54	1.54	0	0	0	1.90	2.46	5.54	1.29	2.05
ECON	1.17	2.61	2.46	1.03	0	0	1.42	1.24	1.04	2.61	.84	3.15
ART	2.62	0	.92	0	0	0	0	.51	.99	2.62	1.96	1.35
ENGL	2.33	1.30	2.77	5.14	5.68	4.83	8.51	4.37	2.44	7.21	.56	4.73
FREN	1.17	0	0	0	0	0	1.42	.37	.63	1.42	1.72	1.54
GERM	1.17	0	0	0	0	0	0	.17	.44	1.17	2.65	1.00
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	.77	.95	0	.71	.35	.44	.95	1.26	2.09
JN	0	0	0	4.11	1.89	1.21	2.13	1.33	1.53	4.11	1.15	2.31
MUS	1.75	.33	0	1.03	.63	1.51	1.06	.90	.63	1.75	.69	3.81
PHIL	1.17	1.30	2.46	1.03	1.26	0	0	1.03	.85	2.46	.82	3.22
SPCH	47.23	55.37	41.23	47.81	46.06	55.59	25.18	45.50	10.32	30.41	.23	11.66
THEA	0	.98	.92	4.37	4.42	1.21	3.19	2.16	1.80	4.42	.84	3.16
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NP	0	0	0	0	0	0	0	0	0	0	0	0
OCN	0	0	0	0	1.58	0	0	.23	.60	1.58	2.65	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0944 SPEECH
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	1.42	.20	.54	1.42	2.65	1.00
BIOL	3.50	0	2.46	0	0	0	0	.85	1.48	3.50	1.74	1.52
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	1.46	1.95	4.00	0	0	0	0	1.06	1.53	4.00	1.45	1.83
GEOL	0	0	1.23	0	0	0	0	.18	.47	1.23	2.65	1.00
H EC	2.62	1.30	2.77	2.06	3.15	1.81	1.42	2.16	.71	1.85	.33	8.10
IA	.87	0	0	0	0	0	0	.12	.33	.87	2.65	1.00
MATH	1.46	2.61	0	1.03	0	0	0	.73	1.02	2.61	1.41	1.88
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	1.17	1.30	1.23	0	0	0	0	.53	.66	1.30	1.25	2.12
SCI	.29	.98	1.85	2.57	1.26	3.02	5.67	2.23	1.79	5.38	.80	3.32
ZOOL	0	0	1.54	0	1.26	0	0	.40	.69	1.54	1.72	1.54
H ED	1.17	0	0	.77	0	1.21	1.42	.65	.64	1.42	.98	2.70
PE	1.46	2.28	2.15	2.31	2.21	3.93	3.90	2.61	.94	2.47	.36	7.34

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0846 RADIO-TELEVISION
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	0	0	0	0	0	0	0	0	0
GEOG	0	0	0	0	0	0	0	0	0	0	0	0
HIST	0	0	0	2.16	4.14	3.55	0	1.41	1.85	4.14	1.32	2.01
PSCI	3.01	6.94	0	6.49	0	2.03	6.67	3.59	3.10	6.94	.86	3.06
PSYCH	3.01	2.78	2.56	2.16	2.37	7.61	3.33	3.40	1.90	5.45	.56	4.75
SOC	9.02	0	0	2.16	2.37	3.05	11.67	4.04	4.53	11.67	1.12	2.36
SP H	0	0	0	0	0	0	0	0	0	0	0	0
BA	4.51	8.33	3.85	12.97	9.47	9.14	7.50	7.97	3.11	9.13	.39	6.78
ECON	6.02	5.56	7.69	0	0	4.06	0	3.33	3.29	7.69	.99	2.68
ART	2.26	0	1.92	4.86	0	3.05	10.83	3.27	3.74	10.83	1.14	2.32
ENGL	7.52	2.78	2.56	0	2.37	2.03	5.00	3.18	2.41	7.52	.76	3.49
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	0	0	0	2.16	0	0	0	.31	.82	2.16	2.65	1.00
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	3.33	.48	1.26	3.33	2.65	1.00
JN	0	2.08	1.92	10.27	13.61	3.55	8.33	5.68	5.08	13.61	.89	2.96
MUS	3.01	1.39	1.92	1.62	.59	0	.83	1.34	.98	3.01	.74	3.60
PHTL	0	0	2.56	0	0	2.03	6.67	1.61	2.48	6.67	1.54	1.71
SPCH	3.01	5.56	0	0	12.43	7.11	0	4.01	4.69	12.43	1.17	2.26
THEA	49.62	58.33	74.36	42.16	39.64	45.18	23.33	47.52	15.93	51.03	.34	7.89
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	0	0	0	0	0	0
OCN	0	0	0	0	0	0	0	0	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0846 RADIO-TELEVISION
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	3.01	0	0	2.16	0	0	3.33	1.21	1.55	3.33	1.28	2.07
BIOL	0	0	0	2.16	9.47	0	3.33	2.14	3.50	9.47	1.64	1.62
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	0	0	1.52	0	.22	.58	1.52	2.65	1.00
IA	0	0	0	1.62	1.78	1.52	2.50	1.06	1.04	2.50	.98	2.70
MATH	0	0	0	0	0	0	0	0	0	0	0	0
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	6.02	6.25	.64	4.32	0	3.05	3.33	3.37	2.42	6.25	.72	3.69
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	2.16	1.18	1.02	0	.62	.86	2.16	1.37	1.93
PE	0	0	0	.54	.59	.51	0	.23	.29	.59	1.25	2.11

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0847 THEATER ARTS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	2.20	3.73	2.92	3.55	1.38	5.32	3.11	3.17	1.25	3.94	.39	6.74
GEOG	0	1.66	.84	.38	.46	0	.40	.53	.57	1.66	1.07	2.47
HIST	1.60	.83	2.51	2.50	2.07	.93	1.20	1.66	.71	1.68	.43	6.19
PSCI	1.60	0	1.67	2.69	0	2.31	1.60	1.41	1.05	2.69	.74	3.57
PSYCH	1.40	.83	1.04	.77	3.57	1.39	3.81	1.83	1.29	3.04	.71	3.74
SOC	1.60	2.48	1.67	1.73	3.22	.93	1.90	1.93	.73	2.30	.38	7.00
SP H	0	0	0	0	0	0	1.70	.24	.64	1.70	2.65	1.00
BA	.60	2.48	.63	.48	.81	.69	0	.81	.78	2.48	.96	2.75
ECON	3.20	1.66	4.18	1.15	.92	1.79	1.60	2.01	1.20	3.25	.60	4.42
ART	4.60	1.86	8.35	2.98	2.07	4.17	3.01	3.86	2.22	6.49	.57	4.61
ENGL	3.80	3.52	2.09	7.49	7.48	5.32	5.61	5.04	2.04	5.40	.40	6.55
FREN	1.60	1.66	2.30	1.82	.92	.81	.30	1.34	.69	2.00	.51	5.16
GERM	0	0	.84	0	.58	.35	.60	.34	.35	.84	1.02	2.58
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	1.85	1.20	.44	.77	1.85	1.76	1.50
SPAN	0	0	0	1.15	.92	.46	.80	.48	.49	1.15	1.03	2.57
JN	.80	1.86	1.67	.19	.23	0	.60	.77	.74	1.86	.96	2.75
MUS	1.20	1.66	2.51	1.73	1.84	2.08	2.40	1.92	.45	1.31	.24	11.18
PHIL	.80	2.90	.84	1.54	0	2.78	1.60	1.49	1.06	2.90	.71	3.71
SPCH	4.40	2.07	2.30	1.44	6.10	3.59	2.81	3.24	1.60	4.66	.49	5.37
THEA	60.80	68.32	54.70	58.25	59.03	57.52	56.21	59.26	4.45	13.63	.08	35.25
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	.83	0	0	.81	.81	.20	.38	.41	.83	1.10	2.41
OCN	0	0	0	.48	0	.58	0	.15	.26	.58	1.72	1.54

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0847 THEATER ARTS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	.38	0	0	0	.05	.15	.38	2.65	1.00
WLDM	0	0	0	0	.35	0	.70	.15	.28	.70	1.84	1.44
ASTR	.80	0	0	0	0	0	0	.11	.30	.80	2.65	1.00
BIOL	3.20	1.66	1.67	2.30	.92	.46	2.81	1.86	.98	2.74	.53	5.01
BOT	0	0	0	.49	0	1.74	.40	.37	.64	1.74	1.70	1.56
CHEM	0	0	0	.48	0	0	0	.07	.18	.48	2.65	1.00
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	1.60	0	2.51	.38	.46	.46	1.20	.94	.89	2.51	.93	2.85
H EC	0	0	0	0	0	0	.40	.06	.15	.40	2.65	1.00
IA	0	0	0	0	0	.46	.10	.08	.17	.46	2.15	1.23
MATH	1.00	0	0	1.44	1.50	0	.50	.63	.68	1.50	1.07	2.48
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0
SCI	2.00	0	2.00	1.54	1.61	2.08	2.00	1.62	.75	2.09	.46	5.72
ZOOL	0	0	0	0	1.15	.46	0	.23	.44	1.15	1.91	1.38
H EC	.40	0	1.25	1.54	.92	.46	.80	.77	.53	1.54	.69	3.85
PE	.80	0	1.46	1.15	.69	.58	.40	.73	.48	1.46	.66	4.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0848 PUBLIC ADDRESS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	7.69	0	8.33	12.37	7.10	5.17	12.37	.73	2.75
GEOG	0	0	0	0	0	0	0	0	0	0	0	0
HIST	0	0	0	10.26	11.76	0	0	5.51	6.39	11.76	1.16	1.72
PSCI	0	0	0	0	0	0	0	0	0	0	0	0
PSYCH	0	0	0	0	11.76	18.75	16.49	11.75	8.36	18.75	.71	2.81
SOC	0	0	0	41.03	11.76	12.50	8.25	18.38	15.21	32.78	.83	2.42
SP H	0	0	0	0	0	0	13.40	3.35	6.70	13.40	2.00	1.00
BA	0	0	0	0	0	0	0	0	0	0	0	0
ECON	0	0	0	0	0	0	0	0	0	0	0	0
ART	0	0	0	0	0	0	3.09	.77	1.55	3.09	2.00	1.00
ENGL	0	0	0	0	0	0	0	0	0	0	0	0
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	0	0	0	0	0	0	0	0	0	0
MUS	0	0	0	0	0	0	0	0	0	0	0	0
PHIL	0	0	0	0	0	8.33	0	2.08	4.17	8.33	2.00	1.00
SPCH	0	0	0	41.03	58.82	43.75	28.87	43.12	12.31	29.96	.29	7.01
THEA	0	0	0	0	0	0	0	0	0	0	0	0
FTSH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	0	0	0	0	0	0
OCN	0	0	0	0	0	0	0	0	0	0	0	0

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0848 PUBLIC ADDRESS
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
BM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	0	0	0	0	0	0	0	0
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	0	0	0	0	0	8.33	0	2.08	4.17	8.33	2.00	1.00
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	0	0	0	7.22	1.80	3.61	7.22	2.00	1.00
IA	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	0	0	0	0	0	0	0	0	0	0	0
NURS	0	0	0	0	0	0	0	0	0	0	0	0
PHYS	0	0	0	0	0	0	0	0	0	0	0	0
SCI	0	0	0	0	5.88	0	8.25	3.57	4.19	8.25	1.19	1.69
ZOOL	0	0	0	0	0	0	0	0	0	0	0	0
H ED	0	0	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	2.06	.52	1.03	2.06	2.00	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0850 JOURNALISM - MASS M
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
EDUC	0	0	0	0	0	0	0	0	0	0	0	0
GEOG	0	0	0	0	0	0	0	0	0	0	0	0
HIST	0	0	0	0	0	0	0	0	0	0	0	0
PSCI	0	0	21.05	0	0	0	6.06	5.42	9.12	21.05	1.68	1.33
PSYCH	0	0	0	0	0	0	0	0	0	0	0	0
SOC	0	0	0	0	0	0	6.06	1.21	2.71	6.06	2.24	1.00
SP M	0	0	0	0	0	0	0	0	0	0	0	0
PA	0	0	0	0	14.29	30.00	4.55	9.77	12.73	30.00	1.30	1.72
ECON	0	0	0	0	0	0	0	0	0	0	0	0
ART	0	0	0	0	0	0	0	0	0	0	0	0
ENGL	0	0	0	0	0	0	18.18	3.64	8.13	18.18	2.24	1.00
FREN	0	0	0	0	0	0	0	0	0	0	0	0
GERM	0	0	0	0	0	0	0	0	0	0	0	0
ITAL	0	0	0	0	0	0	0	0	0	0	0	0
RUSS	0	0	0	0	0	0	0	0	0	0	0	0
SPAN	0	0	0	0	0	0	0	0	0	0	0	0
JN	0	0	47.37	30.00	0	20.00	34.85	26.44	17.76	47.37	.67	3.33
MUS	0	0	0	0	0	0	1.52	.30	.68	1.52	2.24	1.00
PHIL	0	0	0	0	0	0	0	0	0	0	0	0
SPCH	0	0	0	0	21.43	30.00	0	10.29	14.41	30.00	1.40	1.60
THEA	0	0	21.05	25.00	14.29	20.00	7.58	17.58	6.78	17.42	.39	5.80
FISH	0	0	0	0	0	0	0	0	0	0	0	0
FOR	0	0	0	0	0	0	0	0	0	0	0	0
NR	0	0	0	0	28.57	0	6.06	6.93	12.38	28.57	1.79	1.25
OCN	0	0	0	25.00	0	0	0	5.00	11.18	25.00	2.24	1.00

HUMBOLDT INPUT-INPUT MODEL

STABILITY ANALYSIS OF THE INDUCED COURSE LOAD COEFFICIENT MATRIX (PERCENTAGE)
PERCENTAGE WORKLOAD (BASED ON CREDIT HOURS) OF A MAJOR ON DEPARTMENTS

MAJOR - 0850 JOURNALISM - MASS M
LEVEL - ALL LEVELS

DEPARTMENT	FALL 1967	WINTER 1968	SPRING 1968	FALL 1968	WINTER 1969	SPRING 1969	FALL 1969	MEAN	S D	RANGE	COEF OF VARIAT	T CALC
RM	0	0	0	0	0	0	0	0	0	0	0	0
WM	0	0	0	0	0	0	0	0	0	0	0	0
WLDM	0	0	0	0	21.43	0	0	4.29	9.58	21.43	2.24	1.00
ASTR	0	0	0	0	0	0	0	0	0	0	0	0
BIOL	0	0	0	0	0	0	0	0	0	0	0	0
BOT	0	0	0	0	0	0	0	0	0	0	0	0
CHEM	0	0	0	0	0	0	0	0	0	0	0	0
ENGR	0	0	0	0	0	0	0	0	0	0	0	0
GEOL	0	0	0	0	0	0	0	0	0	0	0	0
H EC	0	0	0	20.00	0	0	0	6.06	5.21	8.67	20.00	1.66	1.34
IA	0	0	0	0	0	0	0	0	0	0	0	0	0
MATH	0	0	0	0	0	0	0	0	0	0	0	0	0
NURS	0	0	0	0	0	0	0	0	0	0	0	0	0
PHYX	0	0	0	0	0	0	0	0	0	0	0	0	0
SCI	0	0	0	0	0	0	0	0	0	0	0	0	0
ZOOL	0	0	0	0	0	0	0	9.09	1.82	4.07	9.09	2.24	1.00
H EC	0	0	10.53	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	0	0	2.11	4.71	10.53	2.24	1.00
									0	0	0	0	0

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